AV-N29120
AV-N29115

JVC

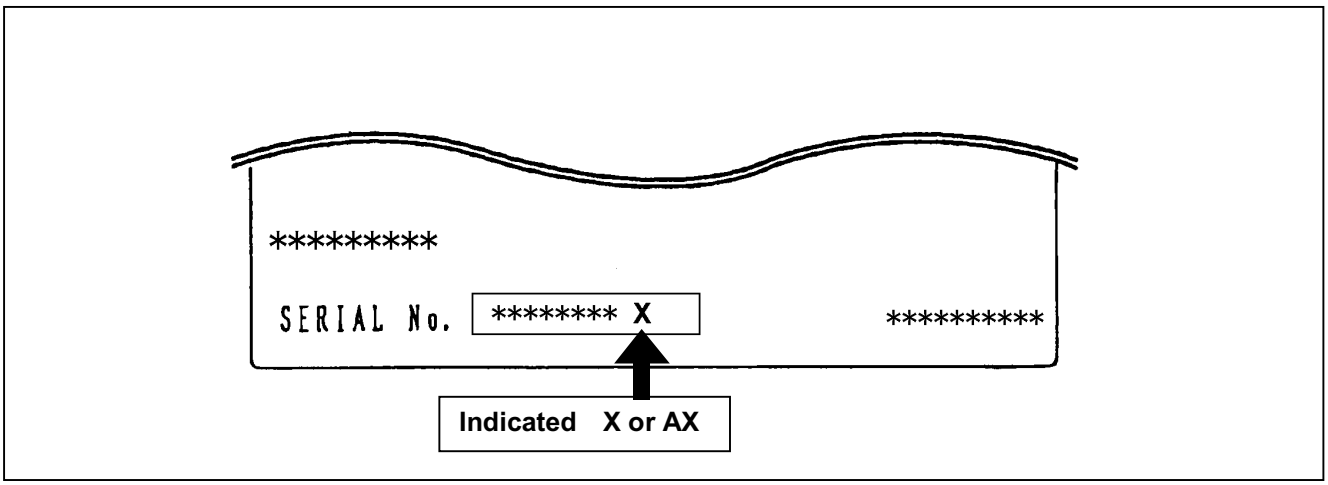
SERVICE MANUAL

COLOR TELEVISION

AV-N29120/X / AV-N29120/AX
AV-N29115/X / AV-N29115/AX

BASIC CHASSIS
FV3

Supplementary



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No.51716B
Sep. 2000

■ DIFFERENCE PARTS LIST

• MAIN PWB PARTS LIST (Page30～37)

⚠	Ref. No.	Parts Number		Parts Name	Remarks
		AV-N29120 & AV-N29120A (No.51716)	**AV-N29120/X & AV-N29120/AX (No.51716B)**		
		SFV-1038A-M2	**SFV-1056A-M2**	Main PWB **(AV-N29120/X)**	Not Interchangeable
		SFV-1040A-M2	**SFV-1057A-M2**	Main PWB **(AV-N29120/AX)**	Not Interchangeable
	R1001	QRE121J-5R6Y	————	C RESISTER	Delete
	R1005	QRG01GJ-121	————	OM RESISTER	↑
	R1146	NRSA02J-273X	**NRSA02J-562X**	CHIP RESISTER	Not Interchangeable
	C1013	————	**NCB21HK-104X**	CHIP C CAP.	Addition
	L1001	QQL03BJ-150Z	————	PEAKING COIL	Delete
	IC1001	————	**AN7805F**	I.C.	Addition
	D1002	MTZJ5.1B-T2	————	CHIP ZENER	Delete
⚠	TU1001	QAU0069-001	**QAU0199-001**	TUNER	Not Interchangeable

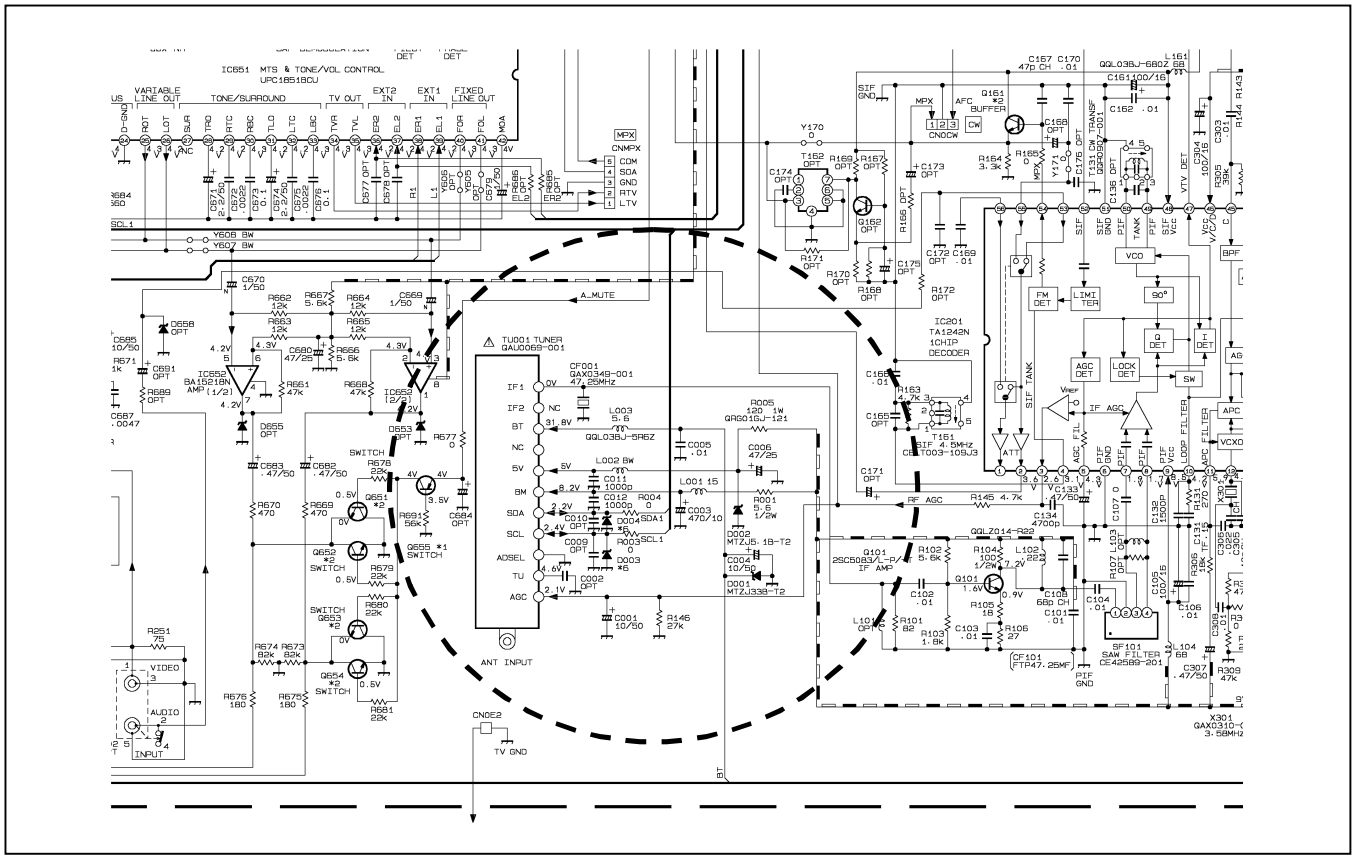
• MAIN PWB PARTS LIST (Page42～49)

⚠	Ref. No.	Parts Number		Parts Name	Remarks
		AV-N29115 & AV-N29115A (No.51716)	**AV-N29115/X & AV-N29115/AX (No.51716B)**		
		SFV-1039A-M2	**SFV-1058A-M2**	Main PWB **(AV-N29115/X)**	Not Interchangeable
		SFV-1041A-M2	**SFV-1059A-M2**	Main PWB **(AV-N29115/AX)**	Not Interchangeable
	R1001	QRE121J-5R6Y	————	C RESISTER	Delete
	R1005	QRG01GJ-121	————	OM RESISTER	↑
	R1146	NRSA02J-273X	**NRSA02J-562X**	CHIP RESISTER	Not Interchangeable
	C1013	————	**NCB21HK-104X**	CHIP C CAP.	Addition
	L1001	QQL03BJ-150Z	————	PEAKING COIL	Delete
	IC1001	————	**AN7805F**	I.C.	Addition
	D1002	MTZJ5.1B-T2	————	CHIP ZENER	Delete
⚠	TU1001	QAU0069-001	**QAU0199-001**	TUNER	Not Interchangeable

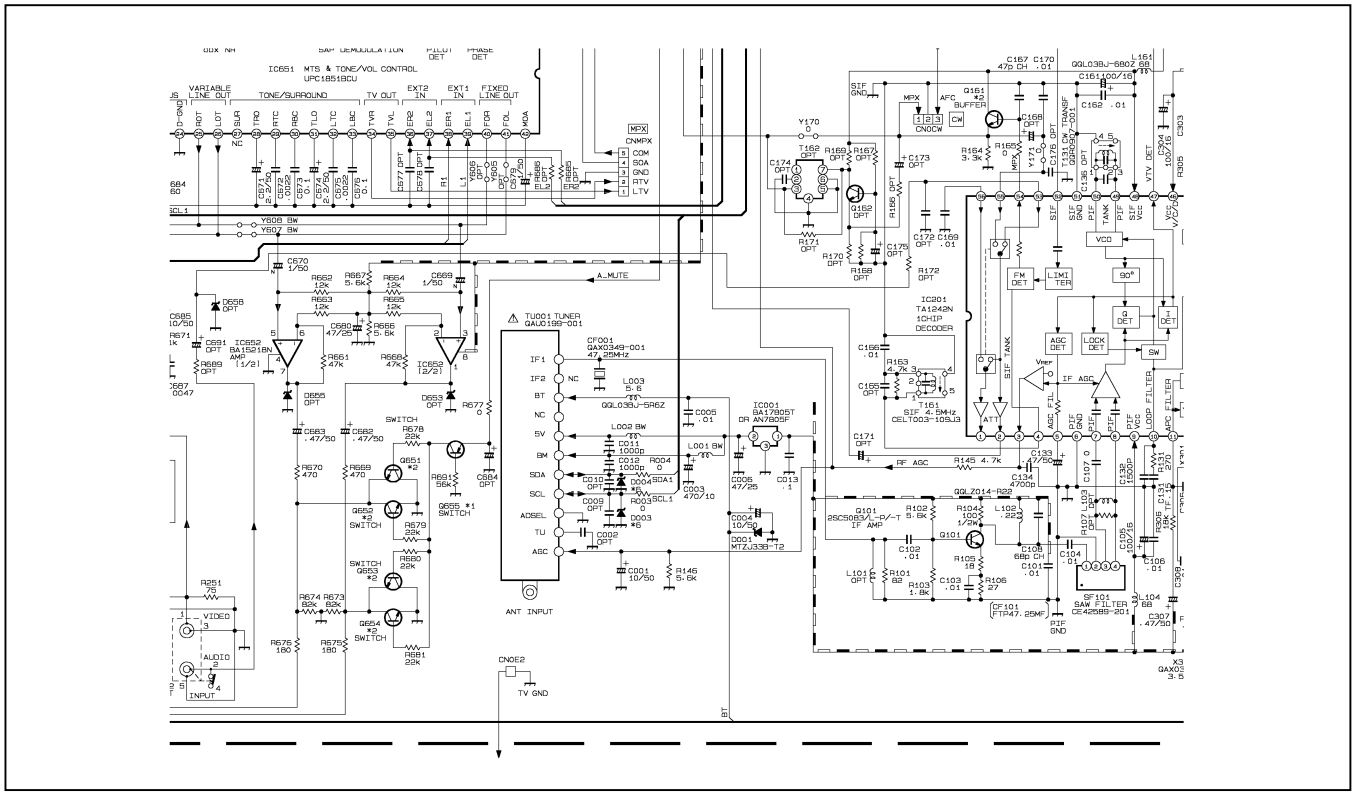
• PACKING (Page51)

⚠	Ref. No.	Parts Number		Parts Name	Remarks
		AV-N29115 (No.51716)	**AV-N29115/X (No.51716B)**		
⚠	6	LCT0787-001A-A	**LCT0787-001B-A**	INST BOOK	Not Interchangeable

Changed around the Tuner(Page 2-7,2-9)



Changed



JVC
VICTOR COMPANY OF JAPAN, LIMITED
TELEVISION RECEIVER DIVISION 1106 Heta, Iwai-city, Ibaraki-prefecture, 306-0698, Japan

N29120X(MEM)	#999	N29115X(MEM)	#4
N29120AX-MEM	#999	N29115AX-MEM	#999

Printed in Japan
DP 0009
DP1054

AV-27120
AV-27115

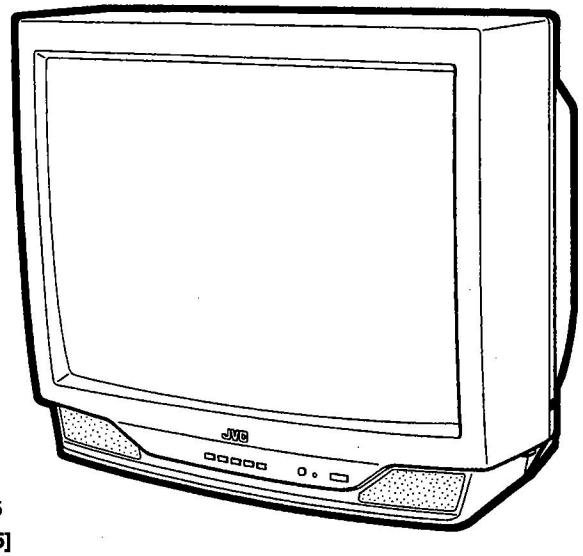
JVC

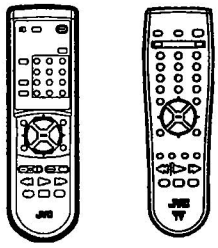
SERVICE MANUAL

COLOR TELEVISION

BASIC CHASSIS
FV3

AV-27120(US&CA) (A US&A CA)
AV-27115(US&CA) (A US&A CA)





RM-C381
[AV-27120]

RM-C205
[AV-27115]

CONTENTS

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- SAFETY PRECAUTIONS 3
- FEATURES 4
- MAIN DIFFERENCE LIST 4
- OPERATING INSTRUCTIONS 4
- HOW TO INDENTIFY MODELS 5
- SPECIFIC SERVICE INSTRUCTIONS 6
- SERVICE ADJUSTMENTS 10
- ★ STANDARD CIRCUIT DIAGRAM (APPENDIX) 2-1
- PARTS LIST 25

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No.51682
Jan. 2000

SPECIFICATIONS

Items	Contents	
	AV-27120(US&CA) AV-27120(A US&A CA)	AV-27115(US&CA) AV-27115(A US&A CA)
Dimensions (W × H × D)	25-3/4" × 23-3/8" × 19-1/2" / 65.4cm × 59.3cm × 49.5cm	
Mass	68.5 lbs / 31.1 kg	
TV RF System	CCIR(M)	
Color Sound System	NTSC, BTSC System (Multi Channel Sound)	
TV Receiving Channels and Frequency		
VL Band	(02~06) 54MHz~88MHz	
VH Band	(07~13) 174MHz~216MHz	
UHF Band	(14~69) 470MHz~806MHz	
CATV Receiving Channels and Frequency		
Low Band	(02~06, A-8) by (02~06&01)	(54MHz~804MHz)
High Band	(07~13) by (07~13)	
Mid Band	(A~1) by (14~22)	
Super Band	(J~W) by (23~36)	
Hyper Band	(W+1~W+28) by (37~64)	
Ultra Band	(W+29~W+84) by (65~125)	
Sub Mid Band	(A8, A4~A1) by (01, 96~99)	
TV/CATV Total Channel	180 Channels	
Intermediate Frequency		
Video IF Carrier	45.75MHz	
Sound IF Carrier	41.25MHz (4.5MHz)	
Color Sub Carrier	3.58MHz	
Power Input	120V AC, 60Hz	
Power Consumption	113W (US) / 1.8A (CA)	
Picture Tube	27" (68cm) Measured Diagonally	
High Voltage	29kV± 1kV (at zero beam current)	
Speaker	2" × 3-1/2" / 5 × 9cm Oval type × 2	
Audio Power Output	1.2W × 2	
Input		
Video Input	1Vp-p, 75Ω (RCA pin jack)	
Audio Input (R/L)	500mVrms (-4dBs), High Impedance (RCA pin jack)	
S-Video	Y: 1Vp-p Positive (negative sync provided, when terminated with 75Ω) C: 0.286Vp-p (burst signal, when terminated with 75Ω)	———
Variable Audio Output (R/L)	More then 0~1550mVrms (+6dBs) Low impedance (400Hz when modulated 100%) (RCA pin jack)	———
Antenna terminal	75Ω (VHF/UHF) Terminal, F-Type Connector	
Remote Control Unit	RM-C381-1A (AA/R6/UM-3 battery × 2)	RM-C205-1C (AA/R6/UM-3 battery × 2)

Design & specifications are subject to change without notice.

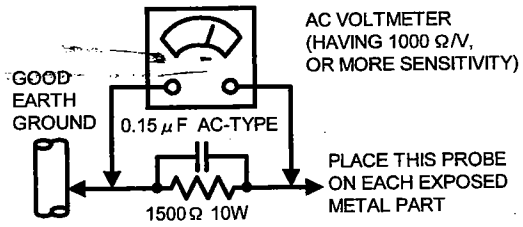
SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
   The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
   Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
   If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
10. **Isolation Check**
    (Safety for Electrical Shock Hazard)
    After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

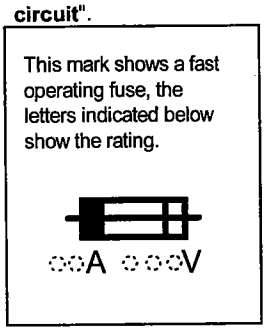
(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

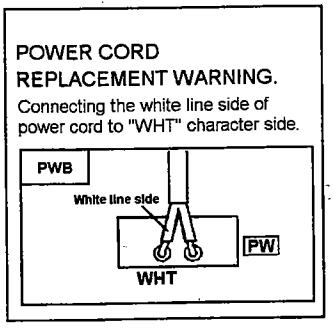
(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

● **Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



11. **High voltage hold down circuit check.**
    After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
    See item **"How to check the high voltage hold down circuit"**.





FEATURES

- New chassis design enables use of a single board with simplified circuitry.
- Provided with miniature tuner (TV/CATV).
- Multifunctional remote control permits picture adjustment.
- Adoption of the CHANNEL GUARD function prevents the specific channels from being selected, unless the "ID number" is key in.
- I^2C bus control utilizes single chip ICs.
- Adoption of the VIDEO STATUS function.
- Adoption of the ON/OFF TIMER function.
- Built-in V-CHIP system.
- With 75Ω V/U in common (F-Type) ANT Terminal.
- SLEEP TIMER for setting in real time.
- Closed-caption broadcasts can be viewed.
- Audio Video input terminal.
- Built-in MTS system.
- Built-in HYPER-SURROUND system. **[AV-27120]**
- S-VIDEO input terminal for taking best advantage of Super VHS. **[AV-27120]**
- Variable Audio output terminal. **[AV-27120]**
- 2 LINE Digital Comb filter Improved picture quality. **[AV-27120]**

MAIN DIFFERENCE LIST

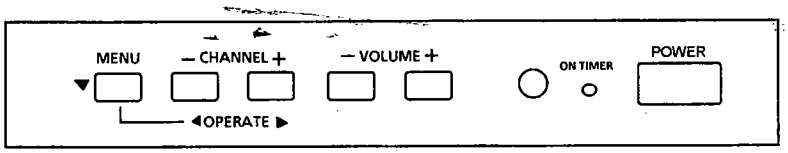
⚠	Model name / Parts Name	AV-27120 (US&CA)	AV-27120 (A US&A CA)	AV-27115 (US&CA)	AV-27115 (A US&A CA)
	MAIN PWB	SFV-1031A-M2	SFV-1033A-M2	SFV-1032A-M2	SFV-1034A-M2
⚠	PICTURE TUBE	A68ADT25X01	A68QDN891X001	A68ADT25X01	A68QDN891X001
⚠	FRONT CABINET	LC10081-001E-A	←	LC10081-002A-A	←
⚠	REAR COVER	LC10082-001D-A	←	LC10082-002A-A	←
	TAPPING SCREW	QYSBSB3010Z (×2)	←	QYSBSB3010Z (×1)	←
	REMOTE CONTROL UNIT	RM-C381-1A	←	RM-C205-1C	←

OPERATING INSTRUCTIONS

- **For OPERATING INSTRUCTIONS, use that of " '00 FV3 IB" (No.51677).**

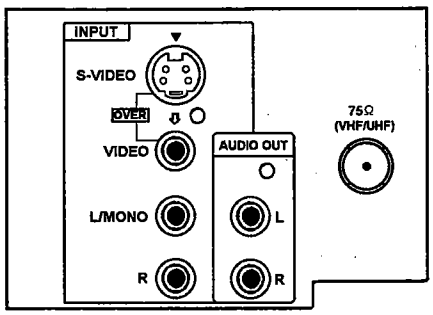
FUNCTIONS

■FRONT PANEL

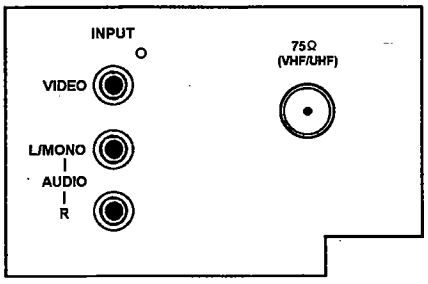


■REAR PANEL

[AV-27120(US&CA)]
[AV-27120(A US&A CA)]



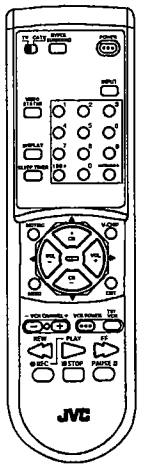
[AV-27115(US&CA)]
[AV-27115(A US&A CA)]



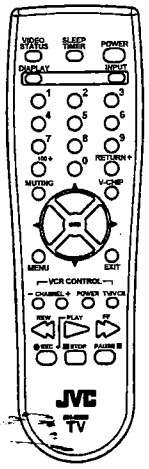
FUNCTIONS

■ **REMOTE CONTROL UNIT**

(RM-C381-1A) [AV-27120(US&CA]
[AV-27120(A US&A CA)]]

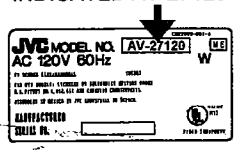
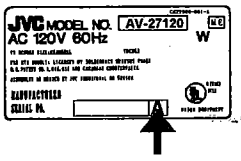
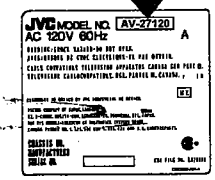
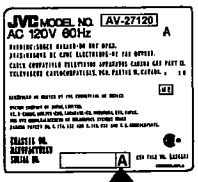


(RM-C205-1C) [AV-27115(US&CA)]
[AV-27115(A US&A CA)]]

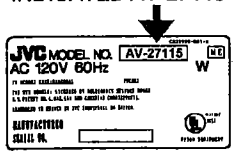
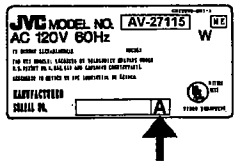
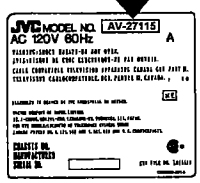
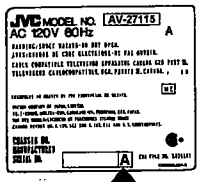


HOW TO IDENTIFY MODELS

- **For model AV-27120 (A US&A CA), the suffix "A" is added to the serial No. on the rating label.**
(The difference between AV-27120 (US&CA) and AV-27120 (A US&A CA) is in the PICTURE TUBE. As the result of the difference in picture tube, the MAIN PWB also differ.)

⚠	MODEL / Parts name	AV-27120(US)	AV-27120(A US)	AV-27120(CA)	AV-27120(A CA)
⚠	RATING LABEL	CM23034-001-A	←	CM22999-A01-A	←
		INDICATED AV-27120 	 INDICATED "A"	INDICATED AV-27120 	 INDICATED "A"

- **For model AV-27115 (A US&A CA), the suffix "A" is added to the serial No. on the rating label.**
(The difference between AV-27115 (US&CA) and AV-27115 (A US&A CA) is in the PICTURE TUBE. As the result of the difference in picture tube, the MAIN PWB also differ.)

⚠	MODEL / Parts name	AV-27115(US)	AV-27115(A US)	AV-27115(CA)	AV-27115(A CA)
⚠	RATING LABEL	CM23034-001-A	←	CM22999-A01-A	←
		INDICATED AV-27115 	 INDICATED "A"	INDICATED AV-27115 	 INDICATED "A"

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

1. Unplug the power supply cord.

[For AV-27120]

2. Remove the 7 screws marked Ⓐ and 2 screws marked Ⓑ as shown in Fig.1.

[For AV-27115]

2. Remove the 7 screws marked Ⓐ and a screw marked Ⓑ as shown in Fig.1.
3. Withdraw the REAR COVER toward you.

[CAUTION]

- When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the rear cover groove.

REMOVING THE MAIN PW BOARD

- After removing the rear cover.

1. Pick this side of the MAIN PWB and raise one slightly, take off the PWB stopper marked Ⓒ from the cabinet bottom.
2. Pull out the MAIN PWB as it is.
   (If necessary, take off the wire clamp and connectors, etc.)

REMOVING THE SPEAKER

- After removing the MAIN PW board.

1. Remove the 2 screws marked Ⓓ as shown in Fig.1.
2. Withdraw the speaker backward.
3. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

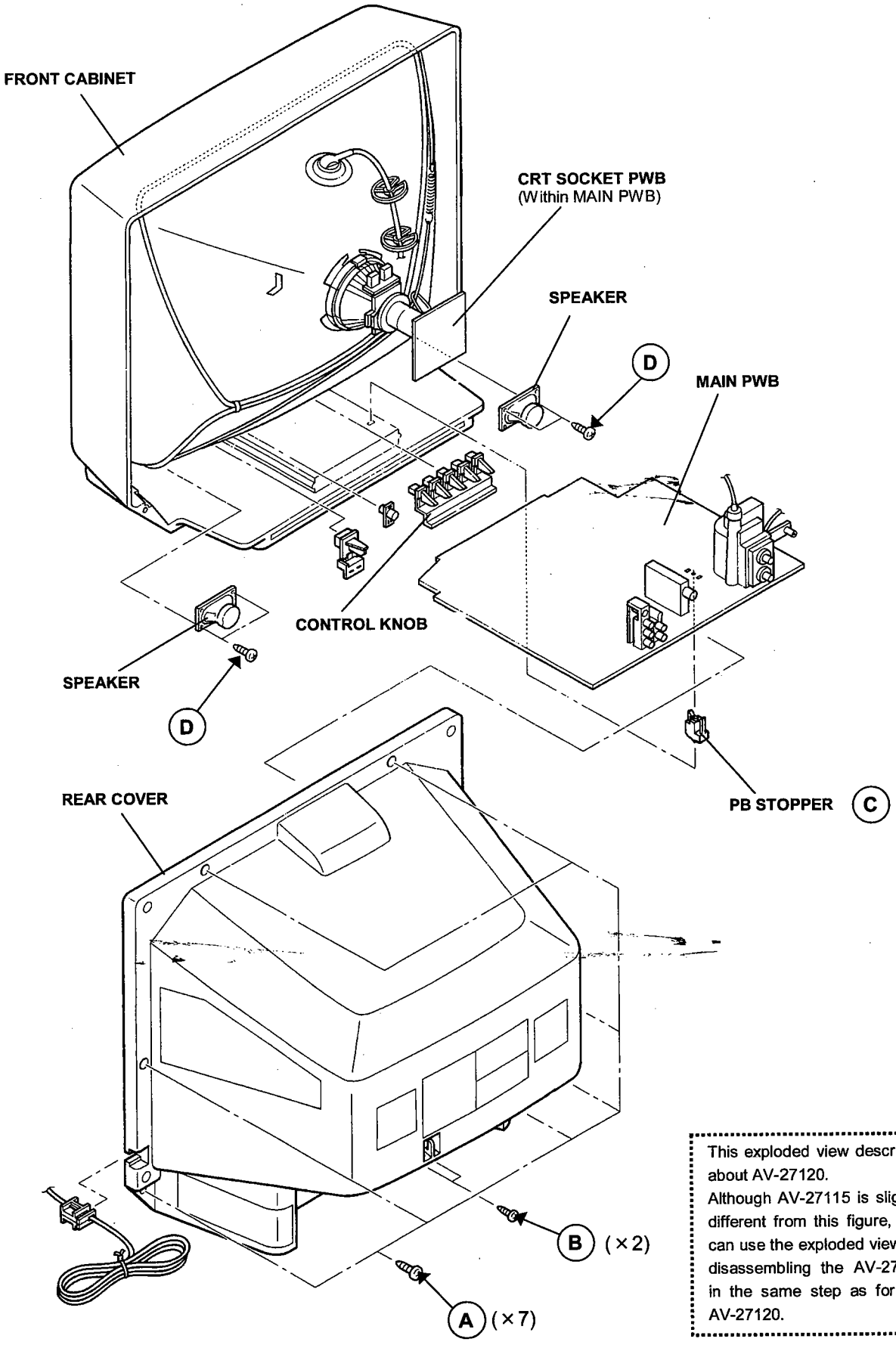
1. To check the back side of the MAIN PW Board.
   1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PWB).
   2) Erect the chassis vertically so that you can easily check the back side of the MAIN PW Board.

[CAUTION]

- When erecting the MAIN PWB, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

1. Be sure clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



This exploded view describes about AV-27120.
Although AV-27115 is slightly different from this figure, you can use the exploded view for disassembling the AV-27115 in the same step as for the AV-27120.

Fig.1

MEMORY IC REPLACEMENT

1. Memory IC

This model use a memory IC.
This memory IC stores data for proper operation of the video and deflection circuits.
When replacing, be sure to use an IC containing this (initial value) data.

2. Memory IC replacement procedure

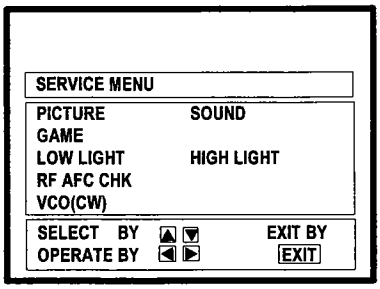
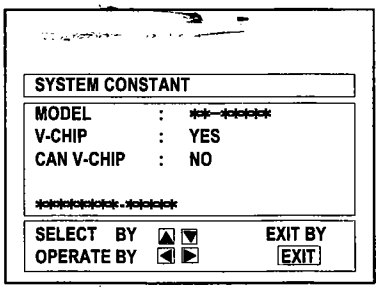
Procedure	Screen display
(1) Power off Switch off the power and disconnect the power cord from the outlet.	
(2) Replace the memory IC Initial value must be entered into the new IC.	
(3) Power on Connect the power cord to the outlet and switch on the power.	
(4) System constant check and setting 1) Press **SLEEP TIMER** key and, while the indication of "**SLEEP TIMER 0 MIN.**" is being displayed, press **DISPLAY** key and **VIDEO STATUS** key on the remote control unit simultaneously. 2) The SERVICE MENU screen of Fig.1 is displayed. 3) While the SERVICE MENU is displayed, again simultaneously press the DISPLAY and VIDEO STATUS keys to display the Fig.2 SYSTEM CONSTANT screen. 4) Refer to the SYSTEM CONSTANT table and check the setting items. Where these differ, select the setting item with the MENU UP/DOWN key and adjust the setting with the MENU LEFT/RIGHT keys. (The letters of the selected item are displayed in yellow.) 5) After adjusting, release the MENU LEFT/RIGHT key to store the setting value. 6) Press the EXIT key twice to return the normal screen.	 Fig.1  Fig.2
(5) Receive channel setting Refer to the OPERATING INSTRUCTIONS(USER'S GUIDE) and set the receive channels (Channels Preset) as described.	
(6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.	
(7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is necessary.(Fig.1) Refer to the SERVICE ADJUSTMENT for setting.	

TABLE 1 (System Constant setting)

Setting item	Setting content	Setting value	
		AV-27120(US&CA) **AV-27120**(A US&A CA)	**AV-27115**(US&CA) **AV-27115**(A US&A CA)
MODEL	→ C-13110/11 → C-20110 → AV-27120 ← AV-27115 ← AV-20120/21 ←	AV-27120	AV-27115
V-CHIP	→ YES → NO →	YES	YES
CAN V-CHIP	→ YES → NO →	NO	NO

TABLE 2 (User setting value)

Setting item	Setting value
1. Use remote controller keys	
POWER	OFF
CHANNEL	CH 02
CHANNEL PRESET	See OPERATING INSTRUCTIONS
VOLUME	10
INPUT (TV/VIDEO)	TV
DISPLAY	OFF
SLEEP TIMER	0
VIDEO STATUS	STANDARD
HYPER SURROUND	OFF **[AV-27120 Only]**
2. Setting of MENU	
TINT	CENTER
COLOR	CENTER
PICTURE	CENTER
BRIGHT	CENTER
DETAIL	CENTER
NOISE MUTING	ON
SET VIDEO STATUS	ALL CENTER
BASS	CENTER
TREBLE	CENTER
BALANCE	CENTER
MTS	STEREO
TV SPEAKER	ON **[AV-27120 Only]**
SET CLOCK	Unnecessary to set
ON/OFF TIMER	NO
LANGUAGE	ENG
CLOSED CAPTION	OFF
BACKGROUND	BLACK
AUTO TUNER SETUP	TUNER MODE : AIR
CHANNEL SUMMARY	Unnecessary to set
V-CHIP	OFF
SET LOCK CODE	Unnecessary to set

SERVICE ADJUSTMENTS

ADJUSTMENT PREPARATION:

1. **You can make the necessary adjustments for this unit with either the Remote Control Unit or With the adjustment tools and parts as given below.**
2. **Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.**
3. Make sure that AC power is turned on correctly.
4. Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
6. Never touch any adjustment parts which are not specified in the list for this adjustment - variable resistors, transformers, condensers, etc.
7. Presetting before adjustment.
   Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit:

VIDEO STATUS	STANDARD
BASS, TREBLE, BALANCE	CENTER
HYPER SURROUND	OFF **[AV-27120]**
TINT, COLOR, PICTURE, BRIGHT, DETAIL	CENTER

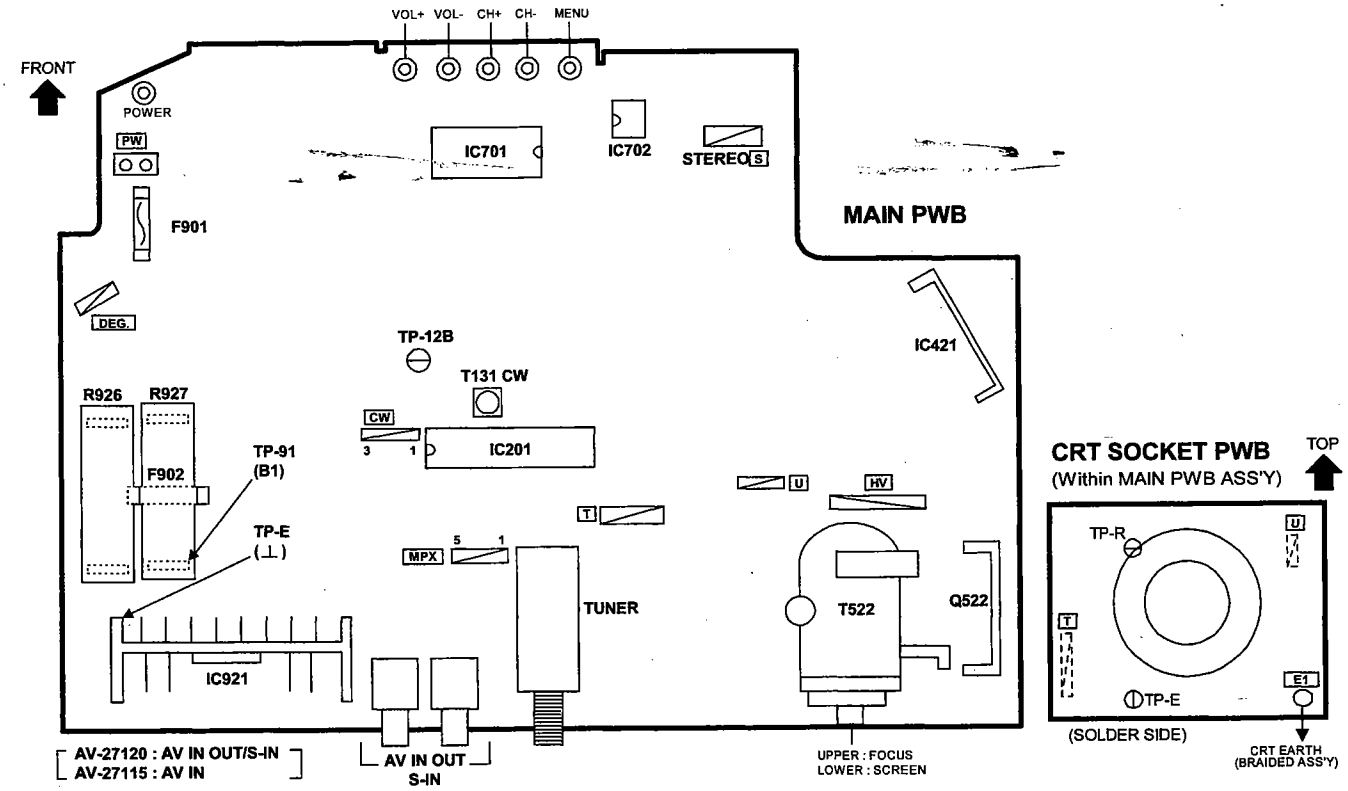
ADJUSTMENT EQUIPMENT

1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [NTSC]
4. Remote control unit
5. TV audio multiplex signal generator.
6. Frequency counter

ADJUSTMENT ITEMS

Adjustment items	Adjustment items	Adjustment items
B1 POWER SUPPLY	WHITE BALANCE (Low Light)	MTS INPUT LEVEL check
IF VCO	WHITE BALANCE (High Light)	MTS STEREO VCO
RF. AGC	SUB BRIGHT	MTS SAP VCO
FOCUS	SUB CONTRAST	MTS FILTER check
V. SIZE	SUB COLOR	MTS SEPARATION
H. POSITION	SUB TINT	

ADJUSTMENT LOCATIONS



BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

- PICTURE ····· This sets the setting values (adjustment values) of the VIDEO/CHROMA and DEFLECTION circuits.
- SOUND ····· This sets the setting values (adjustment values) of the AUDIO circuit.
- GAME ····· This is used when the GAME MODE is adjusted.
- LOW LIGHT ····· This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
- HIGH LIGHT ····· This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
- RF AFC CHK ····· This is used when the IF VCO is adjusted. **[Do not adjust]**
- VCO (CW) ····· This is used when the IF VCO is adjusted.

3. Basic Operations of the SERVICE MENU

(1) How to enter the SERVICE MENU.

Press **SLEEP TIMER** key and, while the indication of "**SLEEP TIMER 0 MIN.**" is being displayed, press **DISPLAY** key and **VIDEO STATUS** key on the remote control unit simultaneously to enter the **SERVICE MENU** screen ① shown in the next figure page.

(2) SERVICE MENU screen selection

Press the UP / DOWN key of the MENU to select any of the following items.
(The letters of the selected items are displayed in yellow.)

- PICTURE
- SOUND
- GAME
- LOW LIGHT
- HIGH LIGHT
- RF AFC CHK
- VCO(CW)

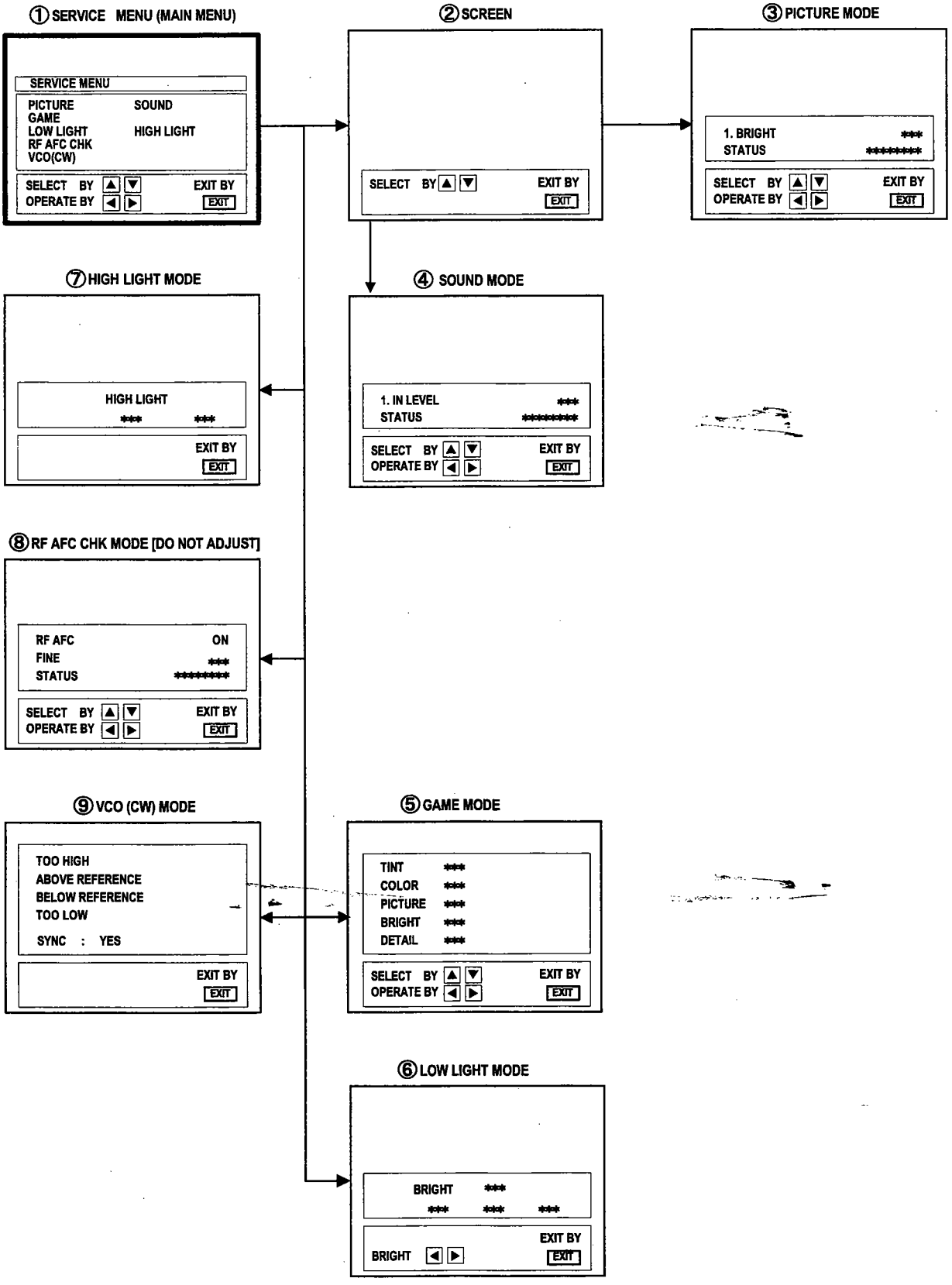
(3) Enter the any setting (adjustment) mode

- **PICTURE and SOUND mode**

1) If select any of PICTURE or SOUND items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ② will be displayed as shown in figure page later.
2) Then the UP / DOWN key is pressed, the PICTURE mode screen ③ or the SOUND mode screen ④ is displayed, and the PICTURE or SOUND setting can be performed.

- **GAME, LOW LIGHT, HIGH LIGHT, RF AFC CHK and VCO (CW) mode**

1) If select any of GAME / LOW LIGHT / HIGH LIGHT / RF AFC CHK / VCO (CW) items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screens ⑤ ⑥ ⑦ ⑧ ⑨ will be displayed as shown in figure page later.
2) Then the settings or verifications can be performed.

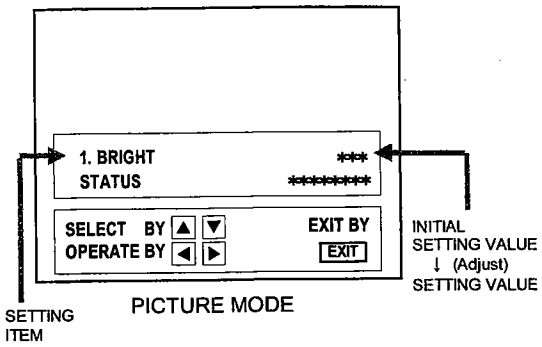

① SERVICE MENU (MAIN MENU)
SERVICE MENU
PICTURE
SOUND
GAME
LOW LIGHT
HIGH LIGHT
RF AFC CHK
VCO(CW)
SELECT BY
OPERATE BY
EXIT BY
EXIT
② SCREEN
SELECT BY
EXIT BY
EXIT
③ PICTURE MODE
1. BRIGHT ***
STATUS ********
SELECT BY
OPERATE BY
EXIT BY
EXIT
④ SOUND MODE
1. IN LEVEL ***
STATUS ********
SELECT BY
OPERATE BY
EXIT BY
EXIT
⑤ GAME MODE
TINT ***
COLOR ***
PICTURE ***
BRIGHT ***
DETAIL ***
SELECT BY
OPERATE BY
EXIT BY
EXIT
⑥ LOW LIGHT MODE
BRIGHT ***
*** *** ***
EXIT BY
BRIGHT
EXIT
⑦ HIGH LIGHT MODE
HIGH LIGHT
*** ***
EXIT BY
EXIT
⑧ RF AFC CHK MODE [DO NOT ADJUST]
RF AFC ON
FINE ***
STATUS ********
SELECT BY
OPERATE BY
EXIT BY
EXIT
⑨ VCO (CW) MODE
TOO HIGH
ABOVE REFERENCE
BELOW REFERENCE
TOO LOW
SYNC : YES
EXIT BY
EXIT

(4) Setting method

1) UP / DOWN key of the MENU
   Select the SETTING ITEM.

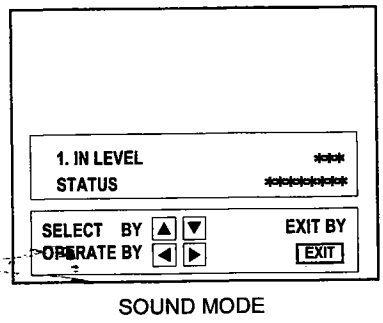
2) LEFT / RIGHT key of the MENU
   Setting (adjust) the SETTING VALUE of the SETTING ITEM.
   When the key is released the SETTING VALUE will be stored (memorized).

3) EXIT key
   Returns to the previous screen.



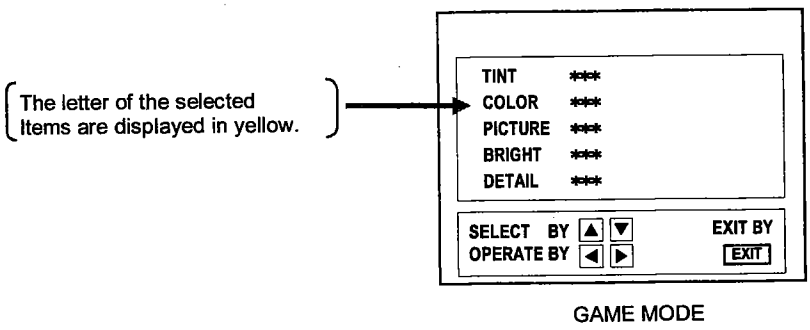
(5) Releasing SERVICE MENU

1) After returning to the SERVICE MENU upon completion of the setting (adjustment) work, press the EXIT key again.



★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT.

★ The setting for VCO (CW) are described in the IF VCO page of ADJUSTMENT.



INITIAL SETTING VALUE OF SERVICE MENU

1. Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
2. Do not change the initial setting values of the setting (Adjustment) items not listed in "ADJUSTMENT".

● PICTURE MODE

✧ The four setting items in the video mode No.7 EXT BRI., No.8 EXT PIC., No.11 EXT TINT and No.12 EXT COL. are linked to the items in the TV MODE No.1 BRIGHT, No.2 PICTURE, No.5 TINT and No.6 COLOR, respectively. When the setting items in the TV mode are adjusted, the values in the setting items in the video mode are revised automatically to the same values in the TV mode.(The initial setting values given in ( ) are off-set values.)

✧ When the four items (No.7, 8, 11 and 12) are adjusted in the video mode, the setting values in each item are revised independently.

No.	Setting (Adjustment) items	Variable range	initial setting value
1.	BRIGHT	0 ~ 127	64
2.	PICTURE	0 ~ 127	77
3.	TV DTL(TV DETAIL)	0 ~ 63	26
4.	TV BPF(TV B.P.FILTER)	0 / 1	0
5.	TINT	0 ~ 127	66
6.	COLOR	0 ~ 127	50
7.	EXT BRI.(EXT.BRIGHT)	±25	(-2)
8.	EXT PIC.(EXT.PICTURE)	±25	(±0)
9.	EXT DTL(EXT.DETAIL)	0 ~ 63	26
10.	EXT BPF(EXT.B.P.FILTER)	0 / 1	0
11.	EXT TINT	±25	(±0)
12.	EXT COL.(EXT.COLOR)	±25	(+1)
13.	V SIZE	0 ~ 63	38
14.	V CENT.(V.CENTER)	0 ~ 7	0
15.	H POS.(H.POSITION)	0 ~ 31	18
16.	OSD HP (OSD H POSITION)	0 ~ 31	23
17.	OSD VP (OSD V POSITION)	0 ~ 15	14
18.	H. AFC	0 / 1	0
19.	RF AGC	0 ~ 63	40

● SOUND MODE

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	IN LEVEL (INPUT LEVEL)	0~63	29
2.	FH MON. (FM MONITOR)	0 / 1	0
3.	ST VCO (STEREO VCO)	0~63	20
4.	PILOT (PILOT CANCELER)	0 / 1	0
5.	FILTER	0~63	25
6.	LOW SEP. (LOW SEPARATION)	0~63	32
7.	HI SEP. (HI SEPARATION)	0~63	16
8.	5FH MON. (5FH MONITOR)	0 / 1	0
9.	SAP VCO	0~63	14
10.	FIL. OFF.	±10	0

● GAME MODE

Setting (Adjustment) item	Variable range	Initial setting value
TINT	±20	±0
COLOR	±20	±0
PICTURE	±20	-10
BRIGHT	±20	-5
DETAIL	±15	+5

● LOW LIGHT MODE

Setting (Adjustment) item	Variable range	initial setting value
R CUTOFF	0 ~ 255	20
G CUTOFF	0 ~ 255	20
B CUTOFF	0 ~ 255	20

● HIGH LIGHT MODE

Setting (Adjustment) item	Variable range	initial setting value
G DRIVE	0 ~ 255	128
B DRIVE	0 ~ 255	128

● RF AFC CHK MODE

Setting (Adjustment) item	Variable range	initial setting value
RF AFC	ON / OFF	ON (DO NOT ADJUST)
FINE	-77 ~ +77	±×× (DO NOT ADJUST)

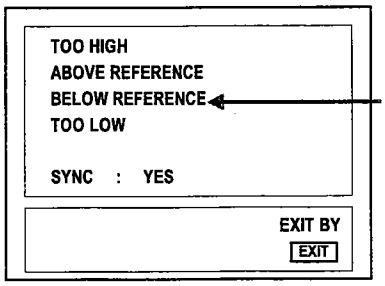
■ADJUSTMENTS

B1 POWER SUPPLY

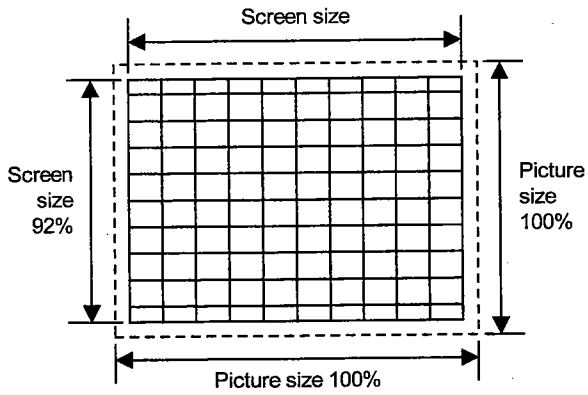
Item	Measuring instrument	Test point	Adjustment part	Description
Check of B1 POWER SUPPLY	DC Voltmeter	TP-91 (B1) TP-E(⊥)		1. Receive a black-and-white signal. 2. Connect the DC Voltmeter to TP-91 (B1) and TP-E(⊥). 3. Confirm that the voltage is DC134V $^{+2V}_{-2.5V}$.

ADJUSTMENT OF VIDEO / DEF. CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO adjustment	Signal generator		CW TRANSF. (T131) [VCO(CW)] MODE	● Under normal conditions, no adjustment is required. 1. Receive a NTSC broadcast. (use channels without offset frequency). 2. Select the VCO(CW) mode from the SERVICE MENU. 3. Confirm the color change (yellow) from "TOO HIGH" to "TOO LOW" by CW TRANSF. and "SYNC : YES" being shown on the screen. Then, adjust CW TRANSF. until "BELOW REFERENCE" mark turns yellow and confirm again " SYNC : YES" being shown on the screen.
RF. AGC adjustment			No.19 RF AGC	1. Receive a broadcast. 2. Select "No.19 RF AGC" of the PICTURE MODE. 3. Press the MUTE key and turn off color. 4. With the MENU LEFT key, get noise in the screen picture. (0 side of setting value) 5. Press the MENU RIGHT key and stop when noise disappears from the screen. 6. Change to other channels and make sure that there Is no irregularity. 7. Press the MUTE key and get color out.
FOCUS adjustment	Signal generator		FOCUS VR [In HVT]	1. Receive a crosshatch signal. 2. While looking at the screen, adjust FOCUS VR so that the vertical and horizontal lines will be clear and in fine detail. 3. Make sure that the picture is in focus even when the screen gets darkened.

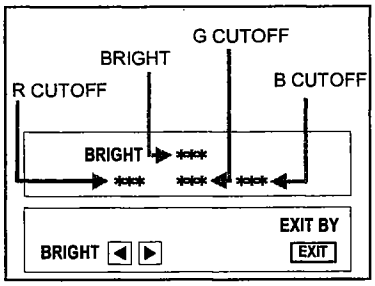


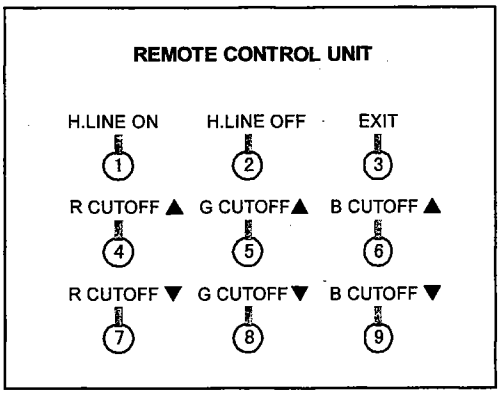
Item	Measuring instruments	Test point	Adjustment part	Description
V.SIZE Adjustment	**Signal generator**		**No.13 V.SIZE**	1. Receive a crosshatch signal. 2. Select No.13 V.SIZE in the PICTURE MODE. 3. Set the initial setting value of No.13 V.SIZE with the LEFT / RIGHT key of the MENU. 4. Adjust No.13 V.SIZE until the vertical screen size is 92%.
H.POSITION Adjustment	**Signal generator**		**No.15 H.POS**	1. Receive a crosshatch signal. 2. Select the No.15 H.POS of the PICTURE MODE. 3. Set the initial setting value of the No.15 H.POS with the LEFT / RIGHT key of the MENU. 4. Adjust the No.15 H.POS until the screen will be horizontally centered.



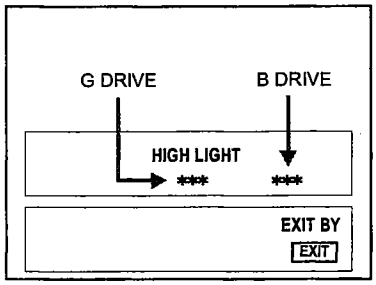
Item	Measuring instruments	Test point	Adjustment part	Description
WHITE BALANCE (Low Light) Adjustment	**Signal generator**		**BRIGHT** **R. CUTOFF** **G. CUTOFF** **B. CUTOFF** **SCREEN VR [In HVT]**	1. Receive a black-and-white signal.(Color off) 2. Select the [LOW LIGHT] MODE from the SERVICE MENU. 3. Set the initial setting value of BRIGHT with the LEFT / RIGHT key of the remote control unit. 4. Set the initial setting value of R CUTOFF, G CUTOFF and B CUTOFF with the ④ to ⑨ key of the remote control unit. 5. Display a single horizontal line by pressing the ①key of the remote control unit. 6. Turn the screen VR all the way to the left. 7. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. 8. Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the ④ to ⑨ keys of the remote control unit. 9. Turn the screen VR to where the single horizontal line glows faintly. 10. Press the ② key to return to the regular screen. * The ③ EXIT key is the cancel key for the WHITE BALANCE.
WHITE BALANCE (High Light) Adjustment	**Signal generator**		**G. DRIVE** **B. DRIVE**	1. Receive a monoscope pattern signal. 2. Select the [HIGH LIGHT] MODE in the SERVICE MENU. 3. Set the initial setting value of G DRIVE and B DRIVE with the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit. 4. Adjust the screen until it becomes white using the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit. * The ③ (EXIT) key is the cancel key for the WHITE BALANCE. **Remote Control Unit** ① key : H.LINE ON ② key : H.LINE OFF ③ key : EXIT ⑤ key : G DRIVE ▲ ⑥ key : B DRIVE ▲ ⑧ key : G DRIVE ▼ ⑨ key : B DRIVE ▼

[LOW LIGHT] MODE





[HIGH LIGHT] MODE

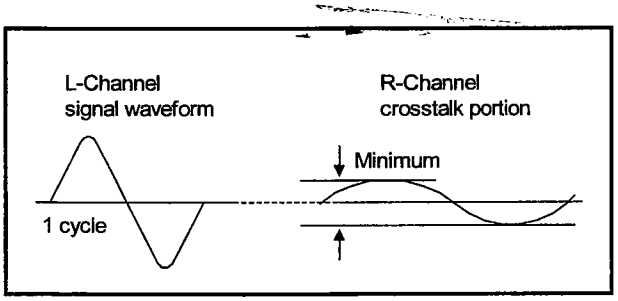


Item	Measuring instruments	Test point	Adjustment part	Description
SUB BRIGHT Adjustment			**No.1 BRIGHT**	1. Receive a broadcast. 2. Select No.1 BRIGHT of the PICTURE MODE. 3. Set the initial setting value of the No.1 BRIGHT with the LEFT / RIGHT key of the MENU. 4. If the brightness is not best with the initial setting value, make fine adjustment of the No.1 BRIGHT until you get the optimum brightness.
SUB CONTRAST Adjustment			**No.2 PICTURE**	1. Receive a broadcast. 2. Select No.2 PICTURE of the PICTURE MODE. 3. Set the initial setting value of the No.2 PICTURE with the LEFT / RIGHT key of the MENU. 4. If the contrast is not best with the initial setting value, make fine adjustment of the No.2 PICTURE until you get the optimum contrast.
SUB COLOR Adjustment			**No.6 COLOR**	1. Receive a broadcast. 2. Select No.6 COLOR of the PICTURE MODE. 3. Set the initial setting value of the No.6 COLOR with the LEFT / RIGHT key of the MENU. 4. If the color is not best with the initial setting value, make fine adjustment of the No.6 COLOR until you get the optimum color.
SUB TINT Adjustment			**No.5 TINT**	1. Receive a broadcast. 2. Select No.5 TINT of the PICTURE MODE. 3. Set the initial setting value of the No.5 TINT with the LEFT / RIGHT key of the MENU. 4. If the tint is not best with the initial setting value, make fine adjustment of the No.5 TINT until you get the optimum tint.

ADJUSTMENT OF MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check			**No.1 IN LEVEL**	1. Select the "No.1 IN LEVEL" of the SOUND MODE. 2. Verify that the "No.1 IN LEVEL" is set at its initial setting value.
MTS STEREO VCO adjustment	**Signal generator** **Frequency counter**	**R OUT [AUDIO OUT]**	**No.2 FH MON.** **No.3 ST VCO**	1. Receive a RF signal (nonmodulated sound signal) from the antenna terminal. 2. Select the "No.2 FH MON." of SOUND MODE, and change the setting value from 0 to 1. 3. Connect the Frequency Counter to R OUT RCA pin of the AUDIO OUT. 4. Select the "No.3 ST VCO". 5. Set the initial setting value of the "No.3 ST VCO" with the LEFT/RIGHT key of the menu. 6. Adjust the "No.3 ST VCO" so that the Frequency Counter will display 15.73kHz±0.1kHz. 7. Select the "No.2 FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.

Item	Measuring instrument	Test point	Adjustment part	Description
MTS SAP VCO adjustment	**Signal generator** **Frequency counter**	**【MPX】 Connector** **【4】 pin SDA** **【3】 pin GND** **R OUT [AUDIO OUT]**	**No.8 5FH MON.** **No.9 SAP VCO**	1. Receive a RF signal (non modulated sound signal) from the antenna terminal. 2. Connect between pin【4】of【MPX】connector and GND (Pin【3】of【MPX】connector) through 1MΩ Resistor. 3. Select the "No.8 5FH MON." of the SOUND MODE, and reset the setting value from 0 to 1. 4. Connect the Frequency Counter to R OUT RCA pin of the AUDIO OUT. 5. Select the "No.9 SAP VCO". 6. Set the initial setting value of "No.9 SAP VCO" with the LEFT/RIGHT key of the menu. 7. Adjust the "No.9 SAP VCO" so that the Frequency Counter will display 78.67kHz±0.5kHz. 8. Select the "No.8 5FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.
MTS FILTER check			**No.5 FILTER**	1. Select the "No.5 FILTER" of the SOUND MODE. 2. Verify that the "No.5 FILTER" is set at its initial setting value.
MTS SEPARATION adjustment	**TV audio multiplex signal generator** **Oscilloscope**	**L OUT** **R OUT [AUDIO OUT]**	**No.6 LOW SEP.** **No.7 HI SEP.**	1. Input a stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. 2. Connect an oscilloscope to L OUT RCA pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. 3. Change the connection of the oscilloscope to R OUT RCA pin of the AUDIO OUT, and enlarge the voltage axis. 4. Select the "No.6 LOW SEP." of the SOUND MODE. 5. Set the initial setting value of the "No.6 LOW SEP." with the LEFT/RIGHT key of the menu. 6. Adjust the "No.6 LOW SEP." so that the stroke element of the 300Hz signal will become minimum. 7. Change the signal to 3kHz, and similarly adjust the "No.7 HI SEP.".



HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.
This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

(1) Turn the POWER SW ON.

(2) As shown in Fig. 1, set the resistor (between [X] connector [1] & [3]).

(3) Make sure that the screen picture disappears.

(4) Temporarily unplug the power cord.

(5) Remove the resistor (between [X] connector [1] & [3]).

(6) Again plug the power cord, make sure that the normal picture is displayed on the screen.

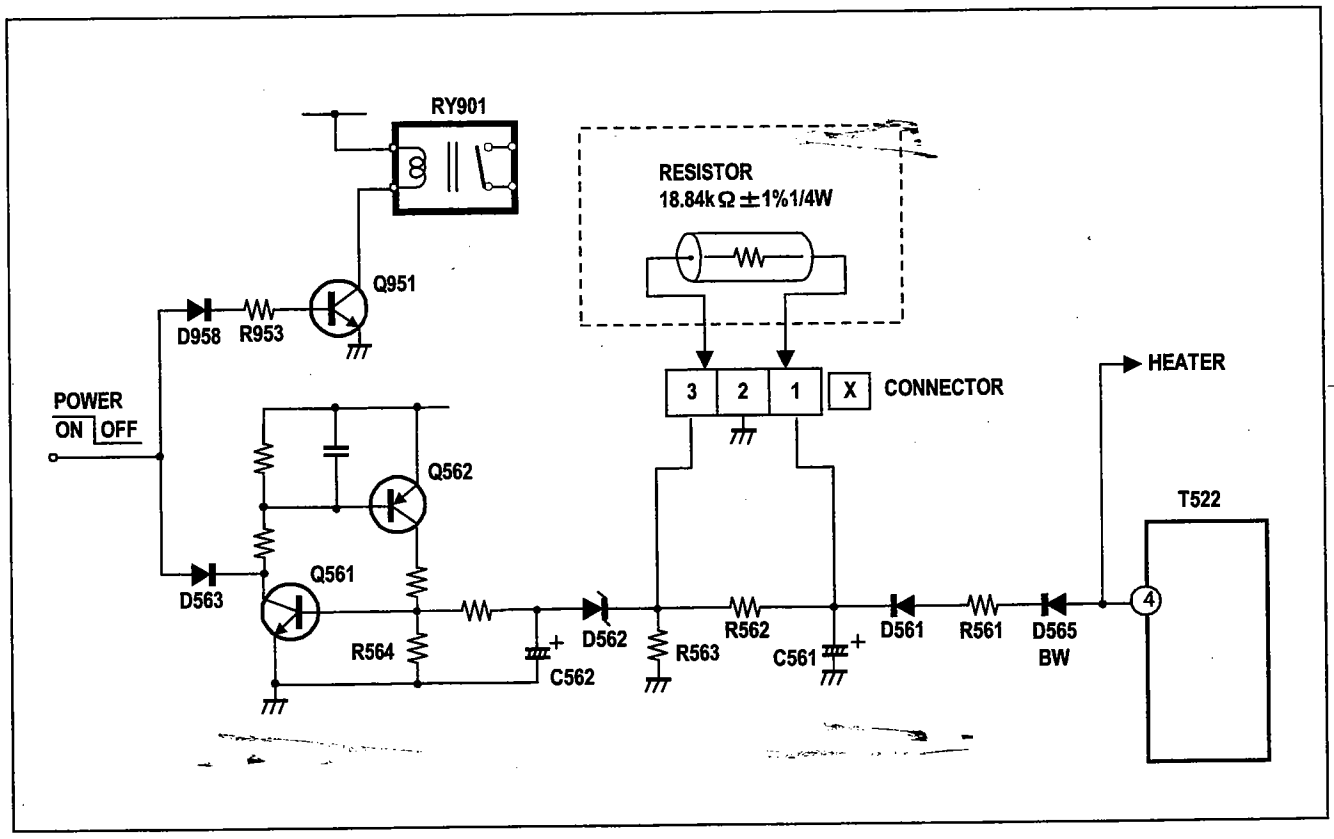


Fig. 1

SELF CHECK FUNCTIONS

1. Outline

This model has self check functions given below. When a malfunction has been detected, the POWER is turned off and the LED flashes to inform of the failure . The malfunction is detected by the signal input state of the control line connected to the microcomputer.

2. Self check items

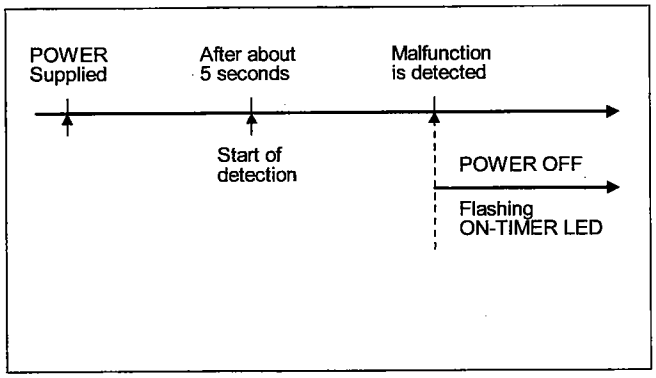
Check item	Details of detection	Method of detection	State of malfunction
CRT NECK protector (Also detected if the power supply line output from the HVT (High voltage Transformer) has shorted with the ground.	When the vertical circuit S-correction capacitor C427 is shorted, detect the potential drop of the C427, and prevent the burn damage to the CRT NECK. (Grounding of shorting of the power supply output from the HVT to the vertical circuit, and the small signal power supply is also detected.)	The microcomputer detects at 1 second intervals. If NG is detected for more than 1 ms, a malfunction is interpreted.	When a malfunction has been detected, the POWER is turned off. While the POWER is being turned off , the power key of the remote controller is not operational until the power code is taken out and put in again.

3. Self check indicating function

The self-check function begins detection about 5 seconds after power is supplied.

In the event a malfunction is detected, the power is cut off immediately.

At this time, the ON-TIMER LED flashes to inform of the malfunction.



[ON-TIMER LED indication]

The ON-TIMER LED flashes at 0.5 seconds intervals.

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

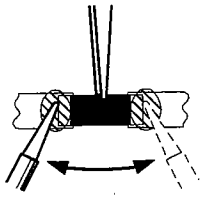
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

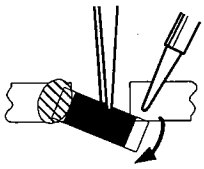
1. How to remove Chip parts

◆ **Resistors, capacitors, etc.**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

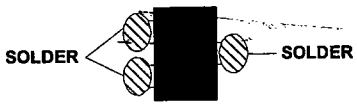


(2) Shift with tweezers and remove the chip part.

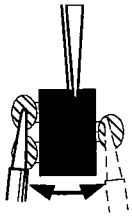


◆ **Transistors, diodes, variable resistors, etc.**

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

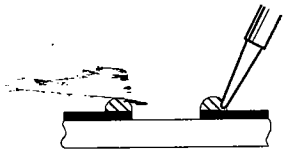


Note : After removing the part, remove remaining solder from the pattern.

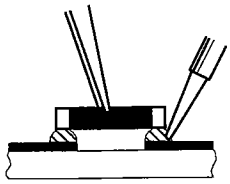
2. How to install Chip parts

◆ **Resistors, capacitors, etc.**

(1) Apply solder to the pattern as indicated in the figure.



(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

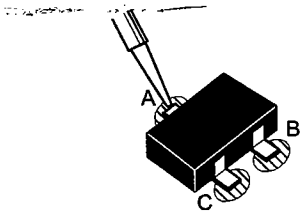


◆ **Transistors, diodes, variable resistors, etc.**

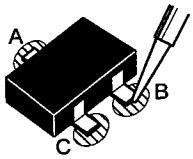
(1) Apply solder to the pattern as indicated in the figure.

(2) Grasp the chip part with tweezers and place it on the solder.

(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



AV-27120(US&CA) / (A US&A CA) / AV-27115(US&CA) / (A US&A CA)
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Color bar signal
(2)Setting positions of each knob/button and variable resistor :Original setting position when shipped
(3)Internal resistance of tester :DC 20kΩ/V
(4)Oscilloscope sweeping time :H ⇒ 20μS/div
:V ⇒ 5mS/div
:Others ⇒ Sweeping time is specified
(5)Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

●In the PW board :R1209→R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

●Resistance value

No unit	:[Ω]
K	:[KΩ]
M	:[MΩ]

●Rated allowable power

No indication	:1/10[W]
Others	:As specified

●Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

●Capacitance value

1 or higher	:[pF]
less than 1	:[μF]

●Withstand voltage

No indication	:DC50[V]
AC indicated	:AC withstand voltage [V]
Others	:DC withstand voltage [V]

*Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

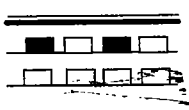
●Type

No indication	:Ceramic capacitor
MY	:Mylar capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:[μH]
Others	:As specified

(4)Power Supply

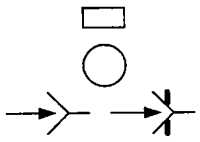


*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

⊥ :LIVE side ground
⏚ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇**Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

Jan. 2000 No.51682

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PATTERN DIAGRAMS

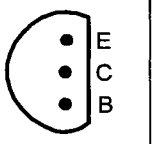
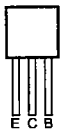
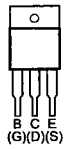
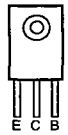
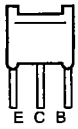
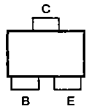
MAIN PWB, CRT SOCKET PWB PATTERN [AV-27120] 2-13
MAIN PWB, CRT SOCKET PWB PATTERN [AV-27115] 2-15

CHANNEL CHART (US) 2-17

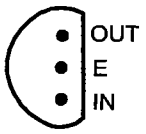
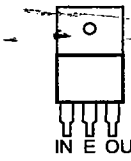
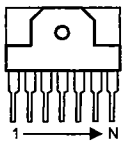
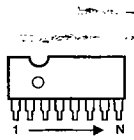
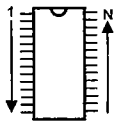
CHANNEL CHART (CA) 2-18

SEMICONDUCTOR SHAPES

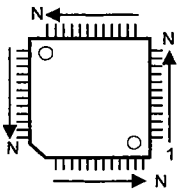
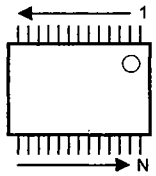
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

IC

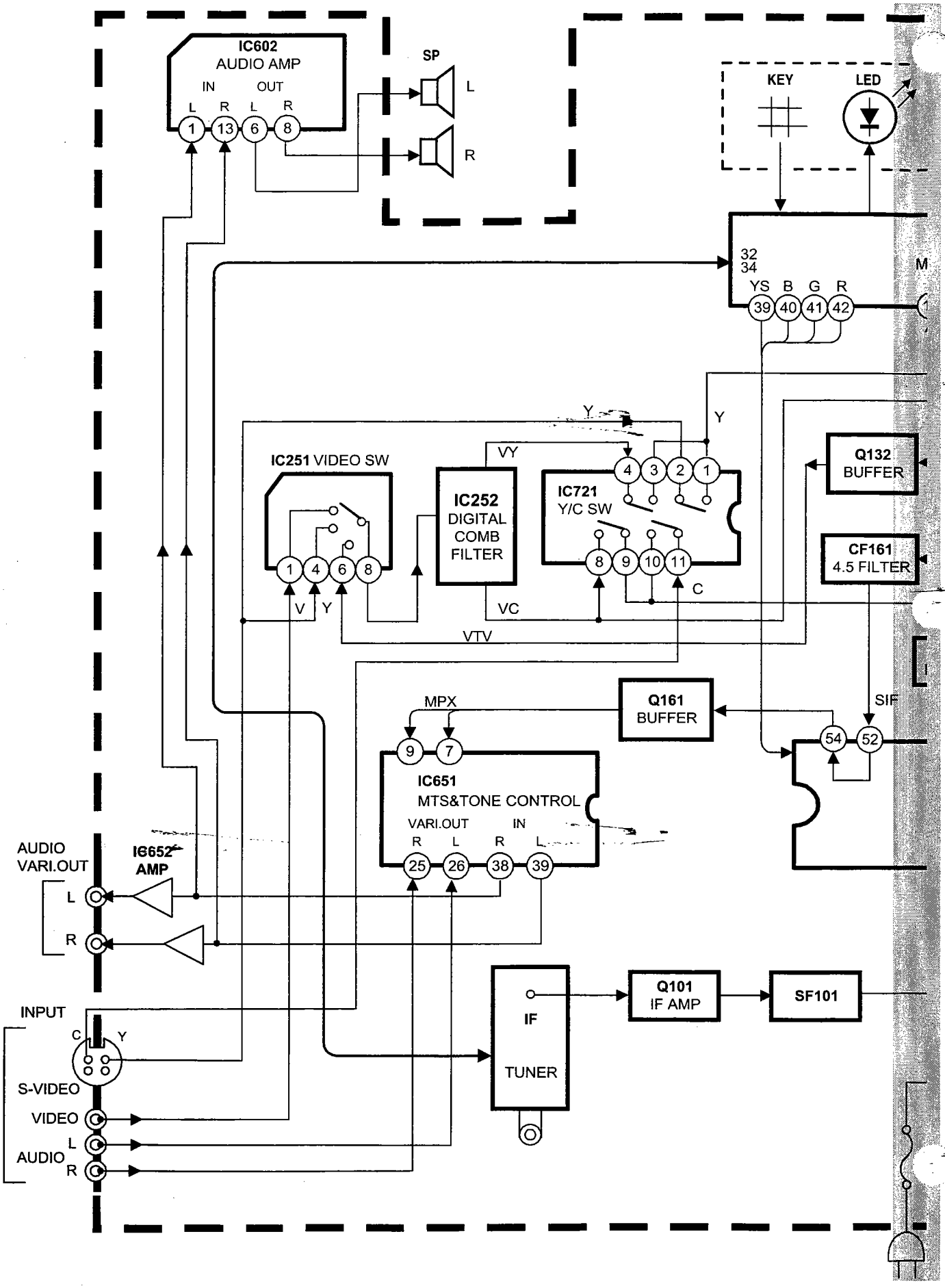
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

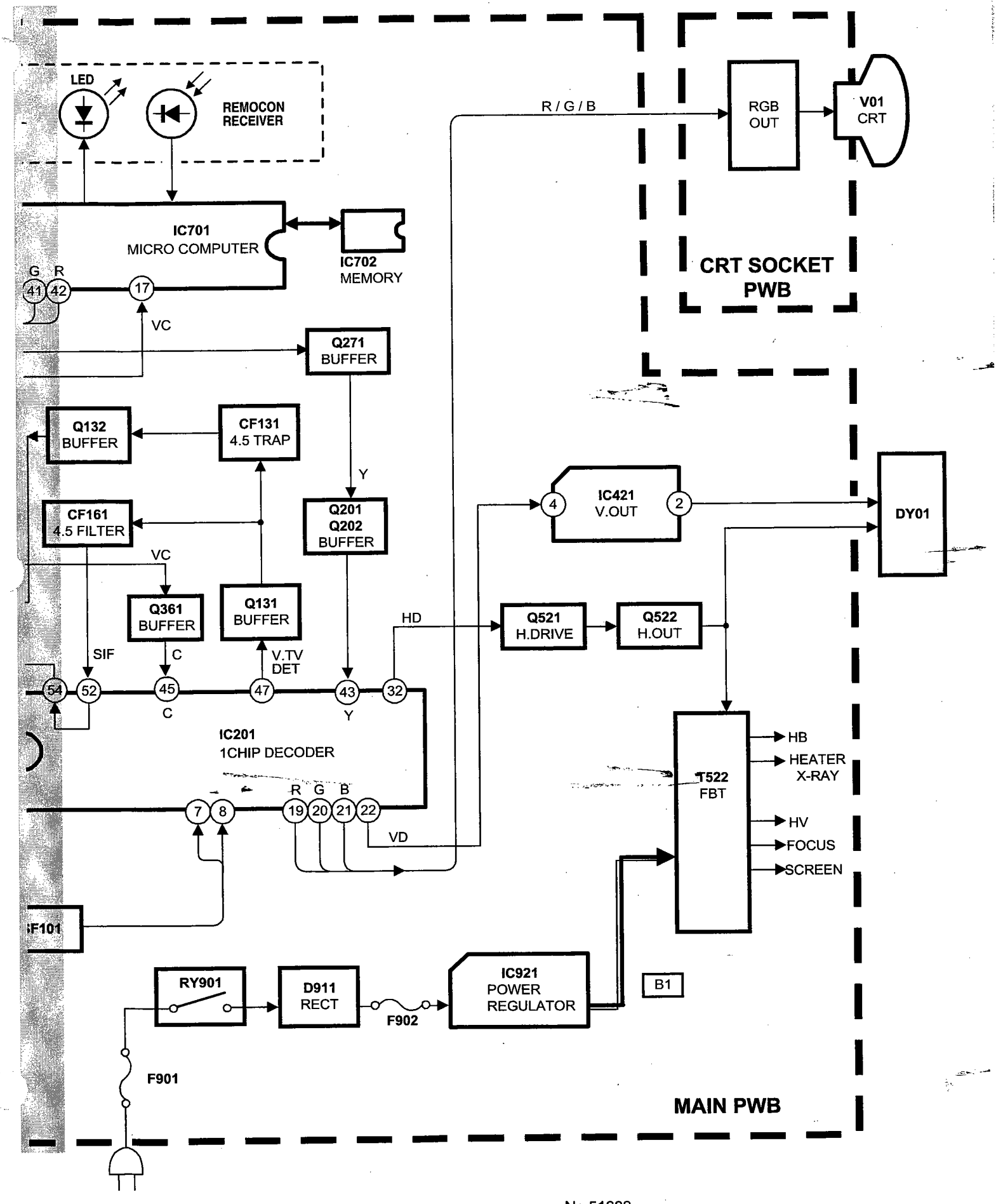
CHIP IC

TOP VIEW		
		

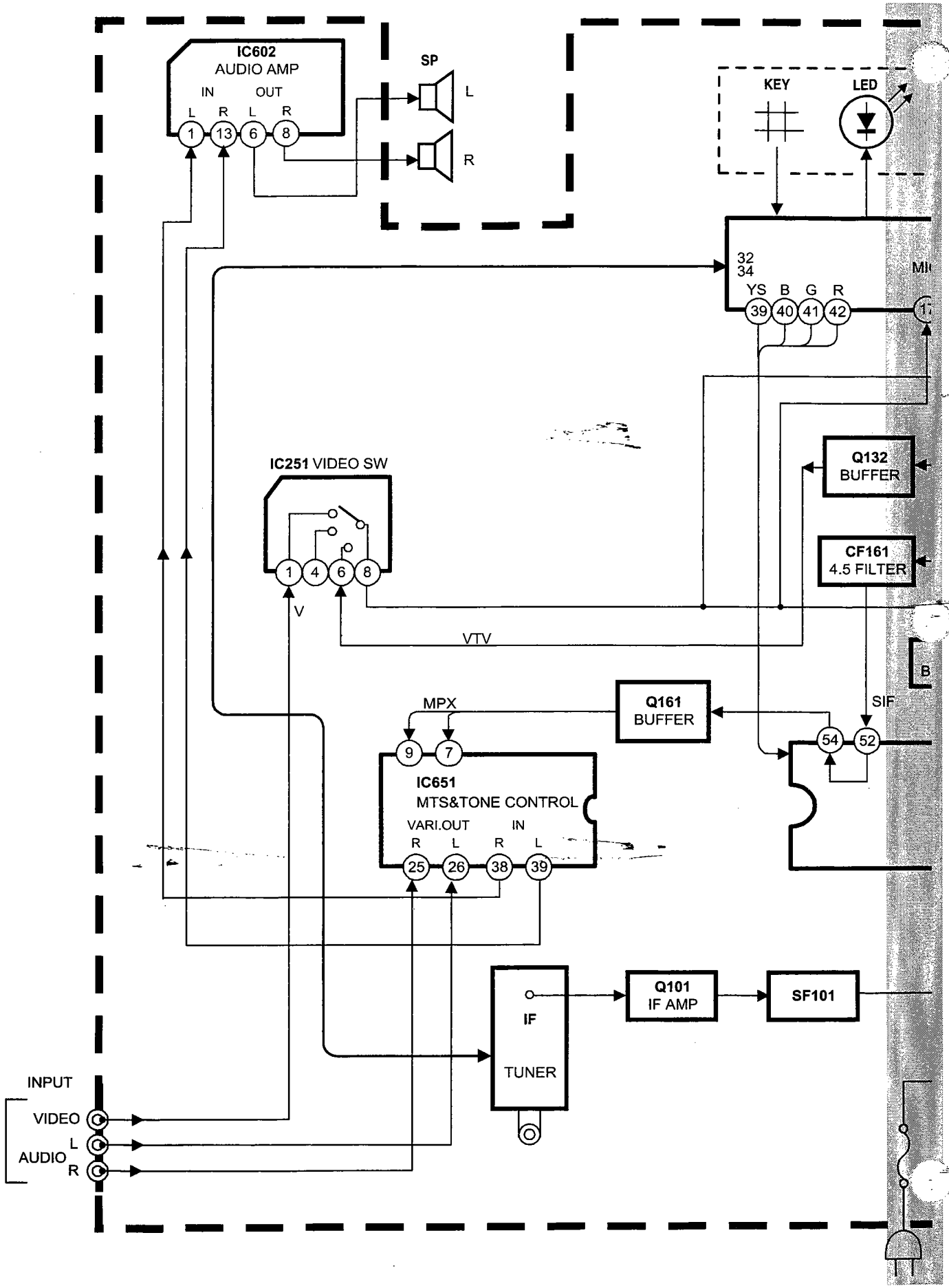
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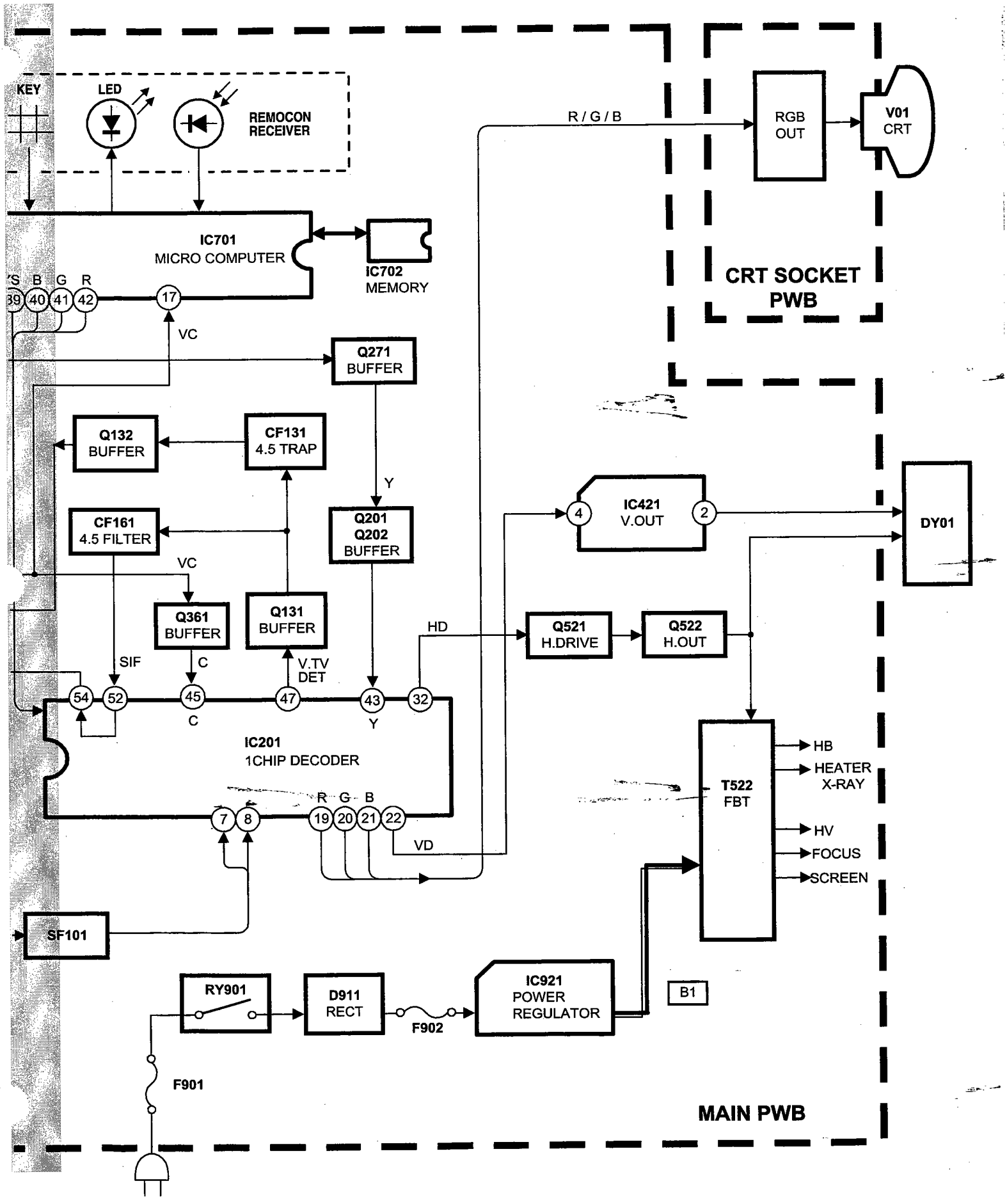
BLOCK DIAGRAM [AV-27120]




LED
REMOCON RECEIVER
R / G / B
RGB OUT
V01 CRT
IC701 MICRO COMPUTER
IC702 MEMORY
CRT SOCKET PWB
G R
41 42
17
VC
Q271 BUFFER
Q132 BUFFER
CF131 4.5 TRAP
Y
CF161 4.5 FILTER
Q201 Q202 BUFFER
IC421 V.OUT
4
2
DY01
VC
Q361 BUFFER
Q131 BUFFER
HD
Q521 H.DRIVE
Q522 H.OUT
SIF
C
V.TV DET
54
52
45
47
43
32
C
Y
IC201 1CHIP DECODER
T522 FBT
HB
HEATER X-RAY
HV
FOCUS
SCREEN
R G B
7
8
19
20
21
22
VD
F101
RY901
D911 RECT
F902
IC921 POWER REGULATOR
B1
F901
MAIN PWB

BLOCK DIAGRAM [AV-27115]




KEY
LED
REMOCON RECEIVER
R / G / B
RGB OUT
V01 CRT
IC701 MICRO COMPUTER
IC702 MEMORY
CRT SOCKET PWB
S B G R
39 40 41 42
17
VC
Q271 BUFFER
Q132 BUFFER
CF131 4.5 TRAP
Y
CF161 4.5 FILTER
Q201 Q202 BUFFER
IC421 V.OUT
4
2
DY01
VC
Q361 BUFFER
Q131 BUFFER
HD
Q521 H.DRIVE
Q522 H.OUT
SIF
C
V.TV DET
54 52 45 47 43 32
C
Y
IC201 1CHIP DECODER
R G B
7 8 19 20 21 22
VD
T522 FBT
HB
HEATER X-RAY
HV
FOCUS
SCREEN
SF101
RY901
D911 RECT
F902
IC921 POWER REGULATOR
B1
F901
MAIN PWB

CIRCUIT DIAGRAMS

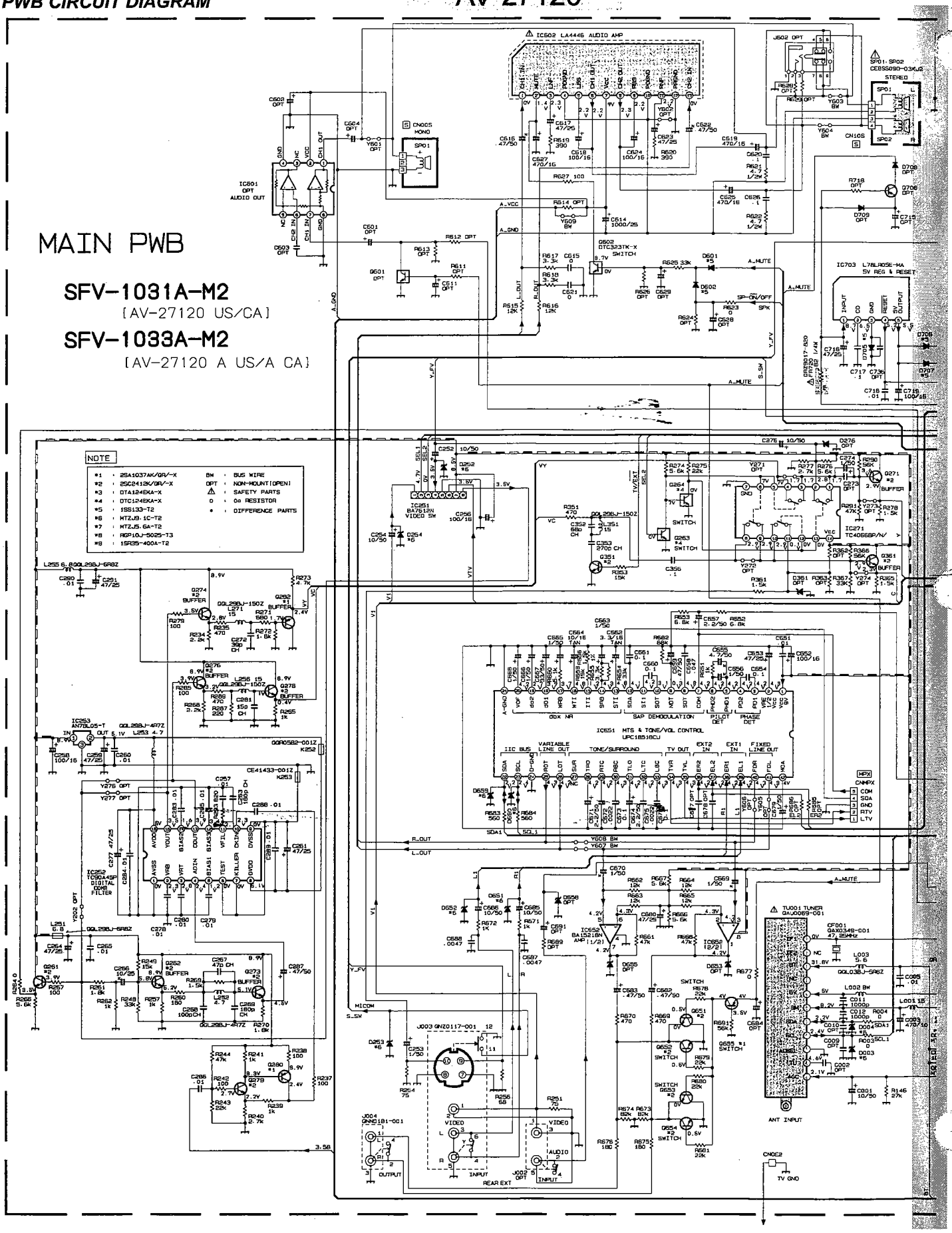
MAIN PWB CIRCUIT DIAGRAM

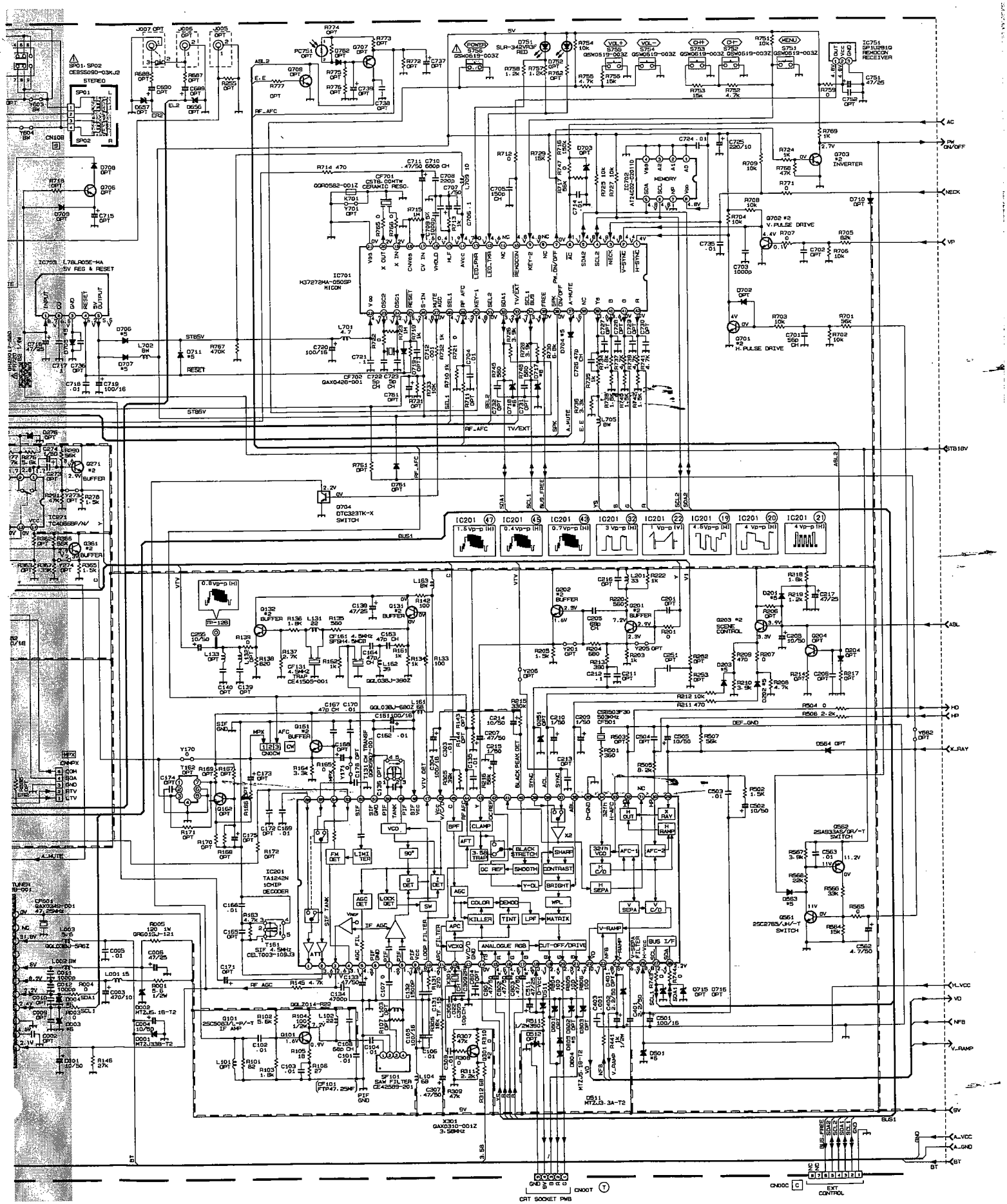
AV-27120

MAIN PWB

SFV-1031A-M2
[AV-27120 US/CA]

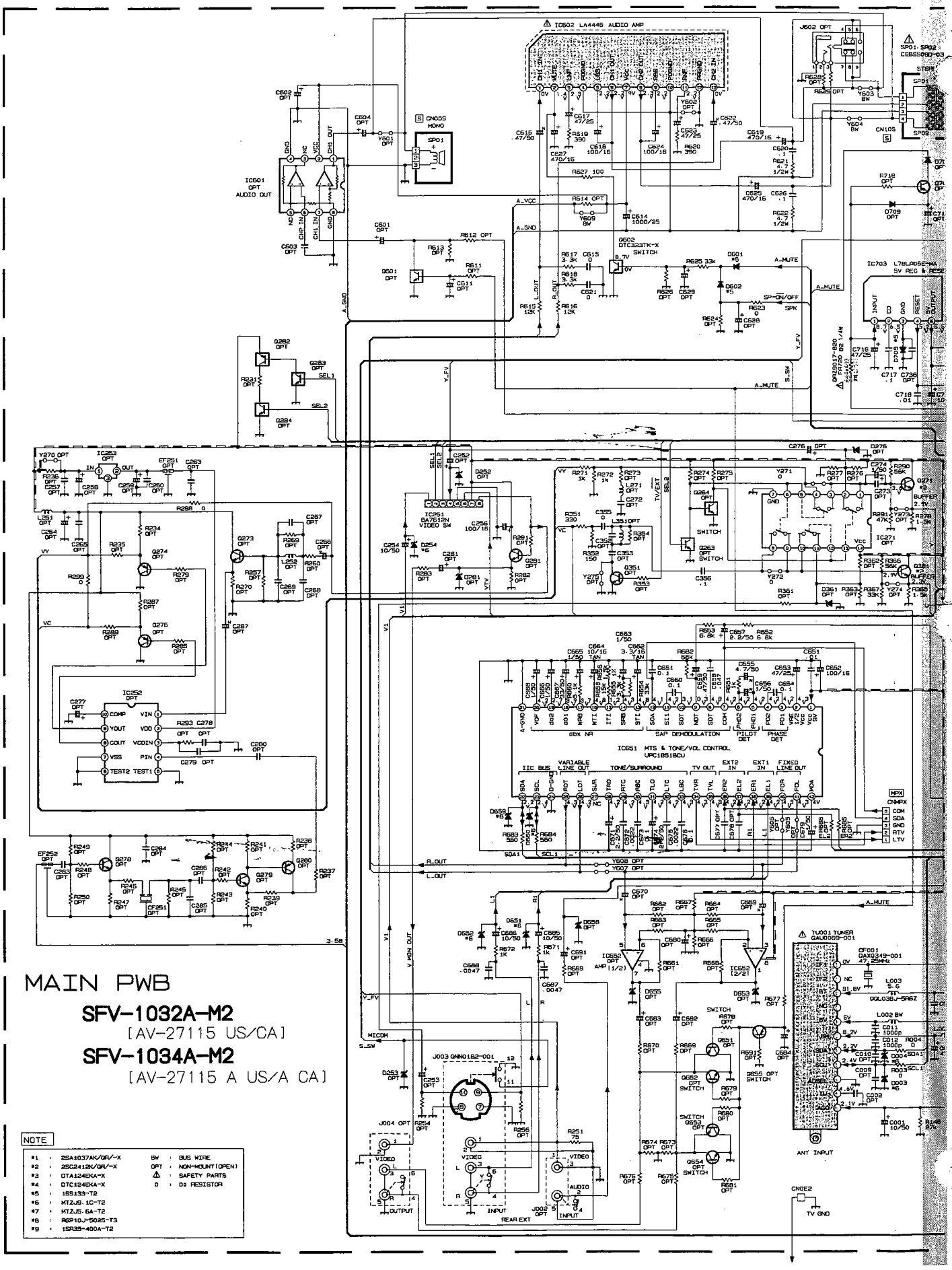
SFV-1033A-M2
[AV-27120 A US/A CA]

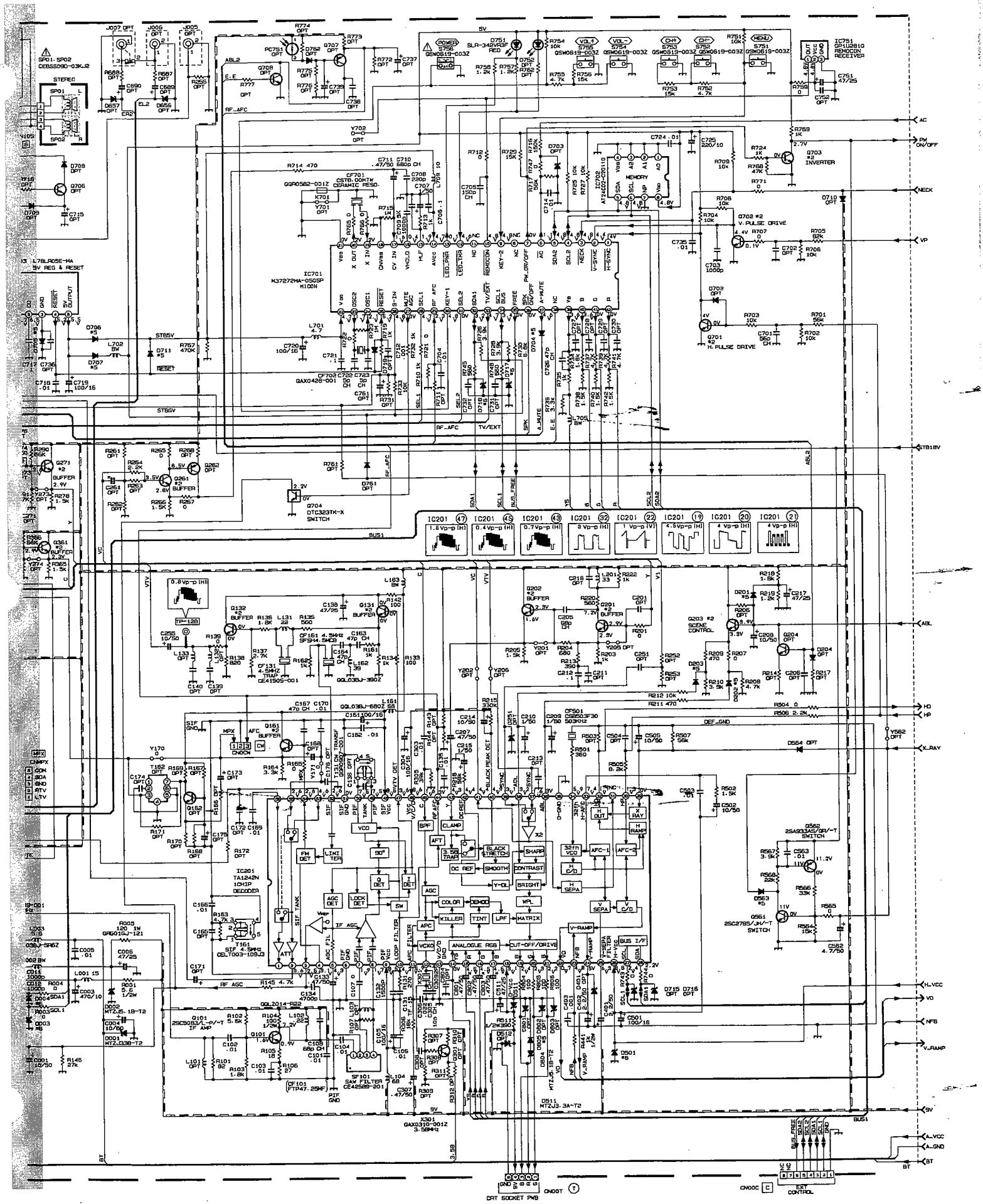




MAIN PWB CIRCUIT DIAGRAM

AV-27115

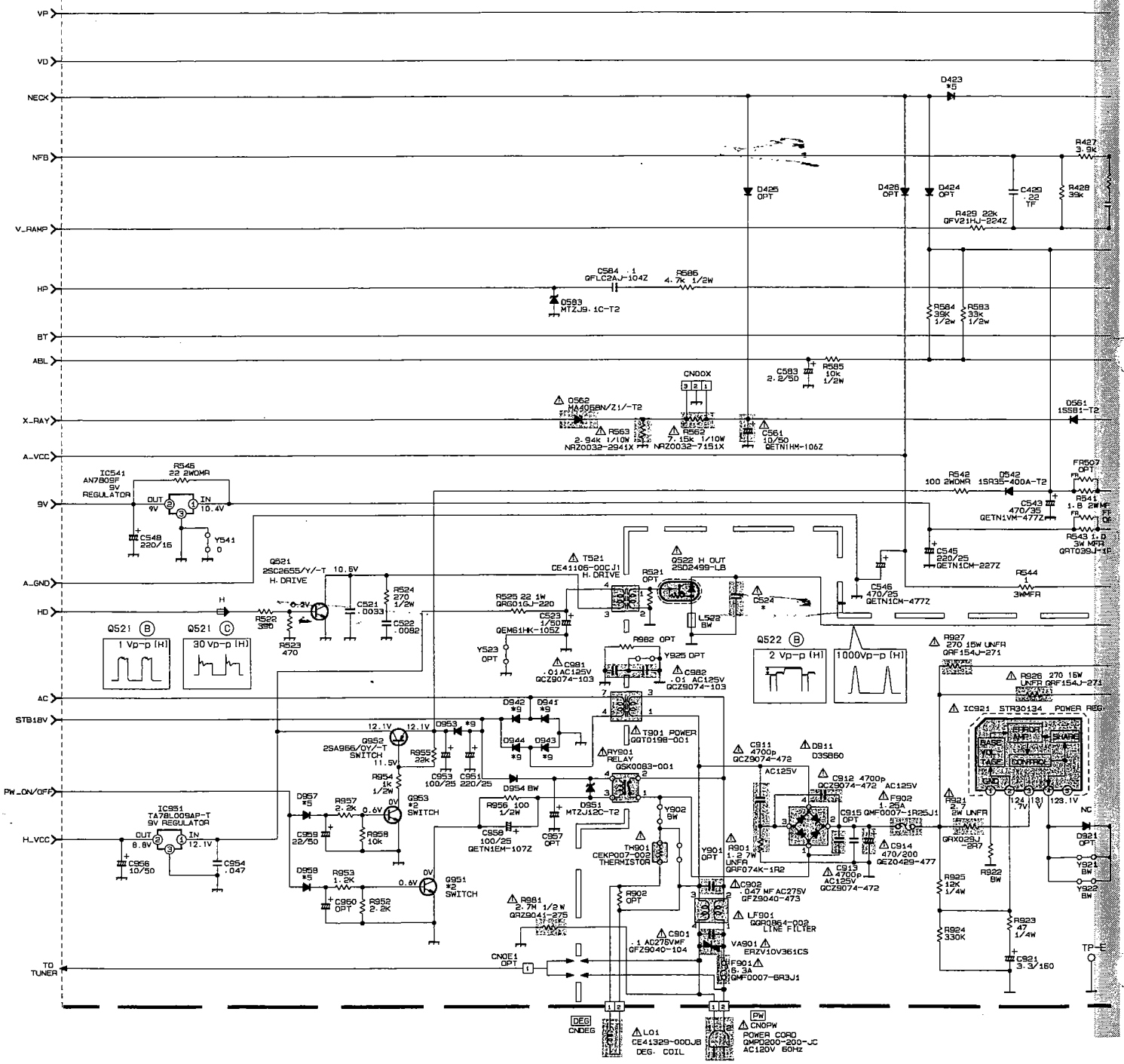


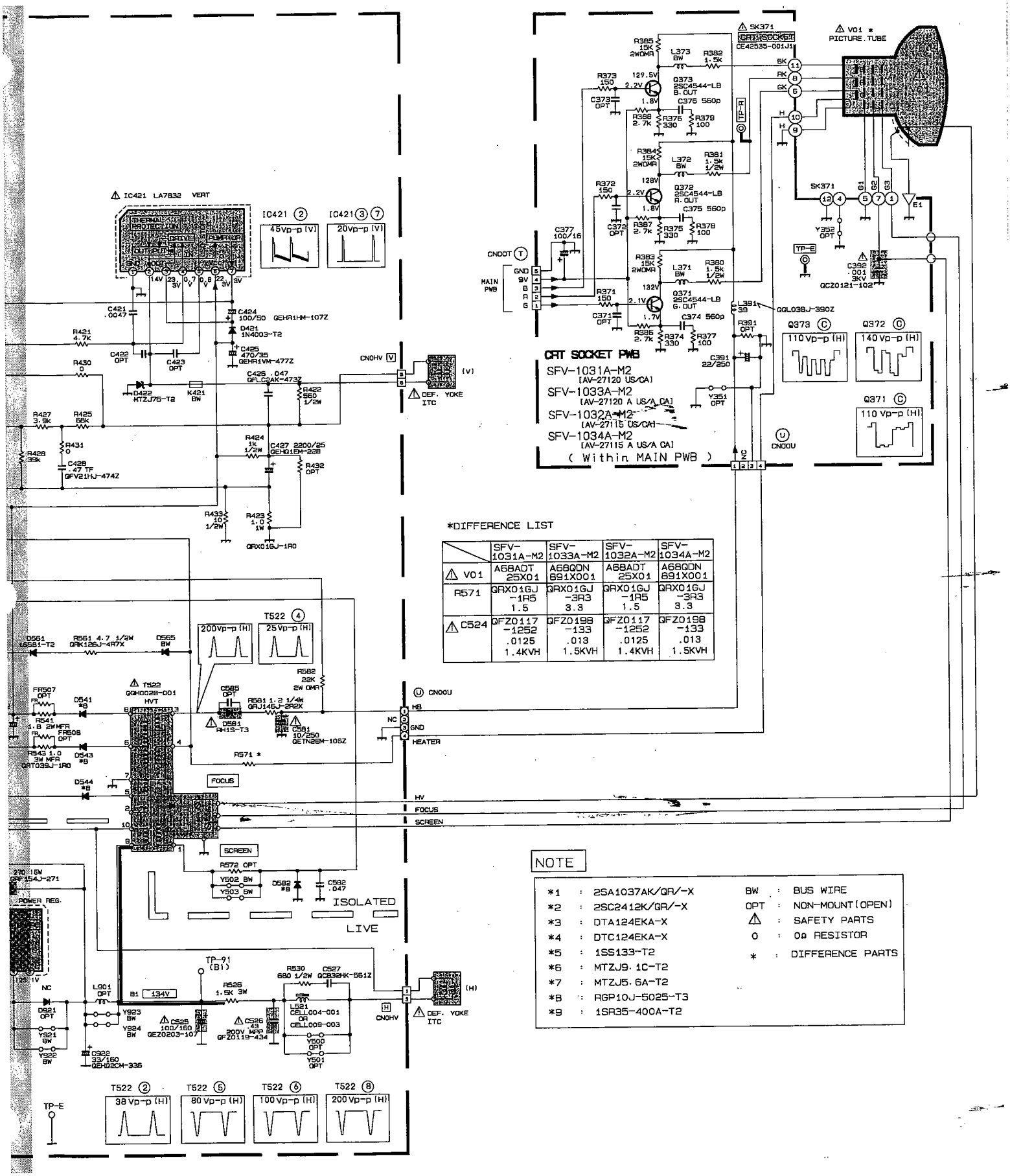


MAIN PWB, CRT SOCKET PWB CIRCUIT DIAGRAM

MAIN PWB

SFV-1031A-M2 [AV-27120 US/CA]
SFV-1033A-M2 [AV-27120 A US/A CA]
SFV-1032A-M2 [AV-27115 US/CA]
SFV-1034A-M2 [AV-27115 A US/A CA]





*DIFFERENCE LIST

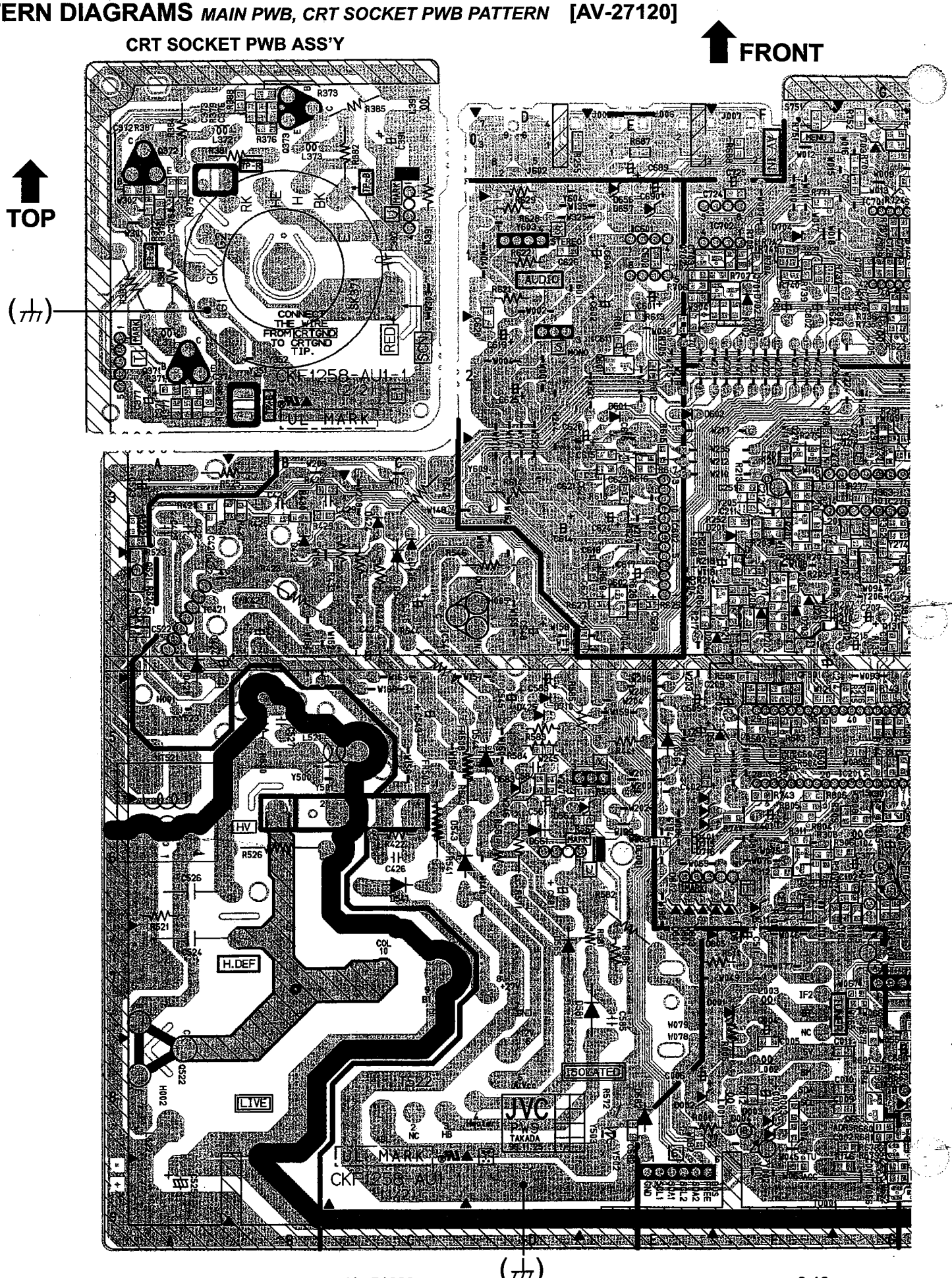
	SFV-1031A-M2	SFV-1033A-M2	SFV-1032A-M2	SFV-1034A-M2
⚠ V01	A68ADT 25X01	A68QDN 891X001	A68ADT 25X01	A68QDN 891X001
R571	QRX01GJ -1R5 1.5	QRX01GJ -3R3 3.3	QRX01GJ -1R5 1.5	QRX01GJ -3R3 3.3
⚠ C524	QFZ0117 -1252 .0125 1.4KVH	QFZ0198 -133 .013 1.5KVH	QFZ0117 -1252 .0125 1.4KVH	QFZ0198 -133 .013 1.5KVH

NOTE

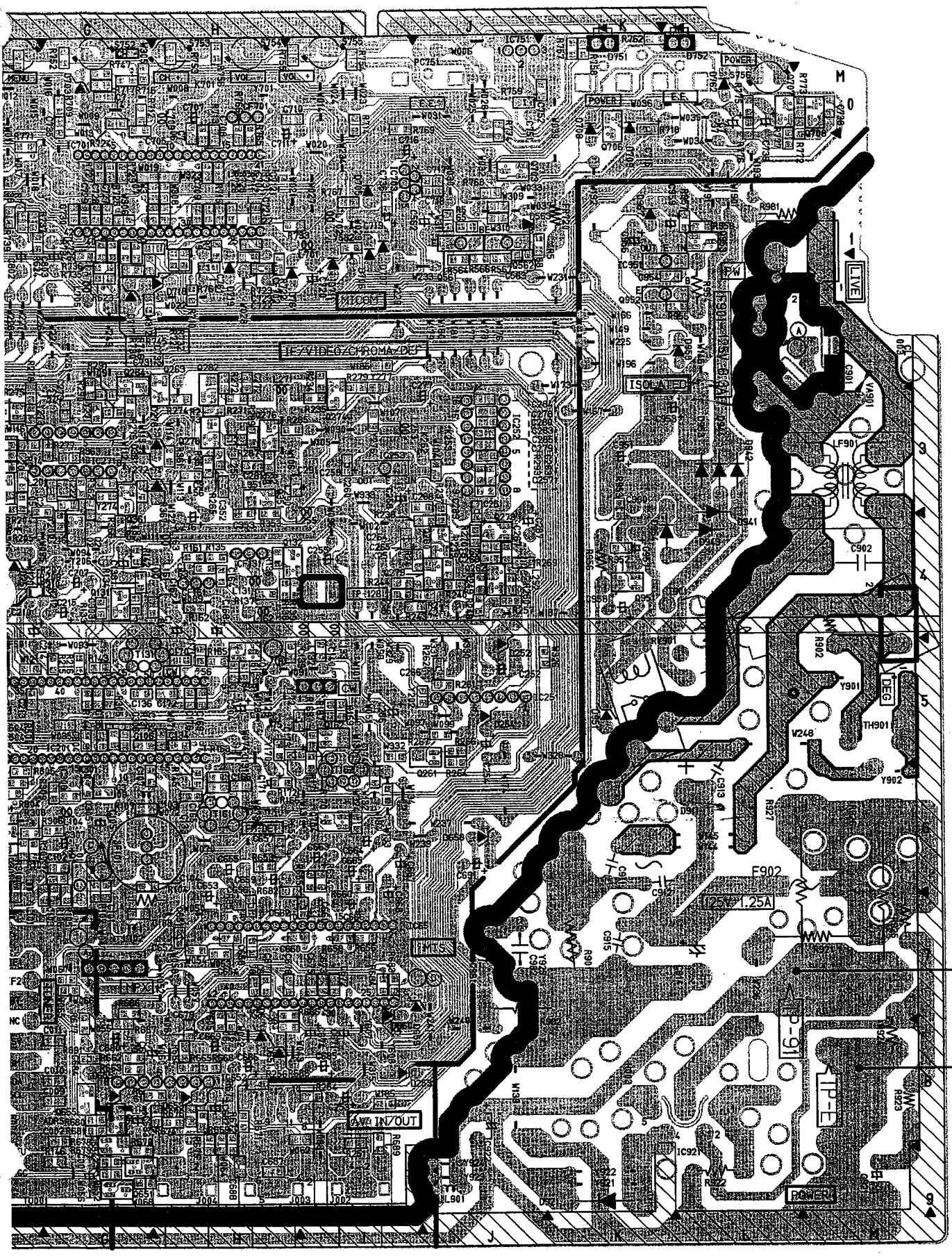
*1	: 2SA1037AK/QR/-X	BW	: BUS WIRE
*2	: 2SC2412K/QR/-X	OPT	: NON-MOUNT(OPEN)
*3	: DTA124EKA-X	⚠	: SAFETY PARTS
*4	: DTC124EKA-X	0	: 0Ω RESISTOR
*5	: 1SS133-T2	*	: DIFFERENCE PARTS
*6	: MTZJ9.1C-T2		
*7	: MTZJ5.6A-T2		
*8	: RGP10J-5025-T3		
*9	: 1SR35-400A-T2		

PATTERN DIAGRAMS *MAIN PWB, CRT SOCKET PWB PATTERN* [AV-27120]

CRT SOCKET PWB ASS'Y

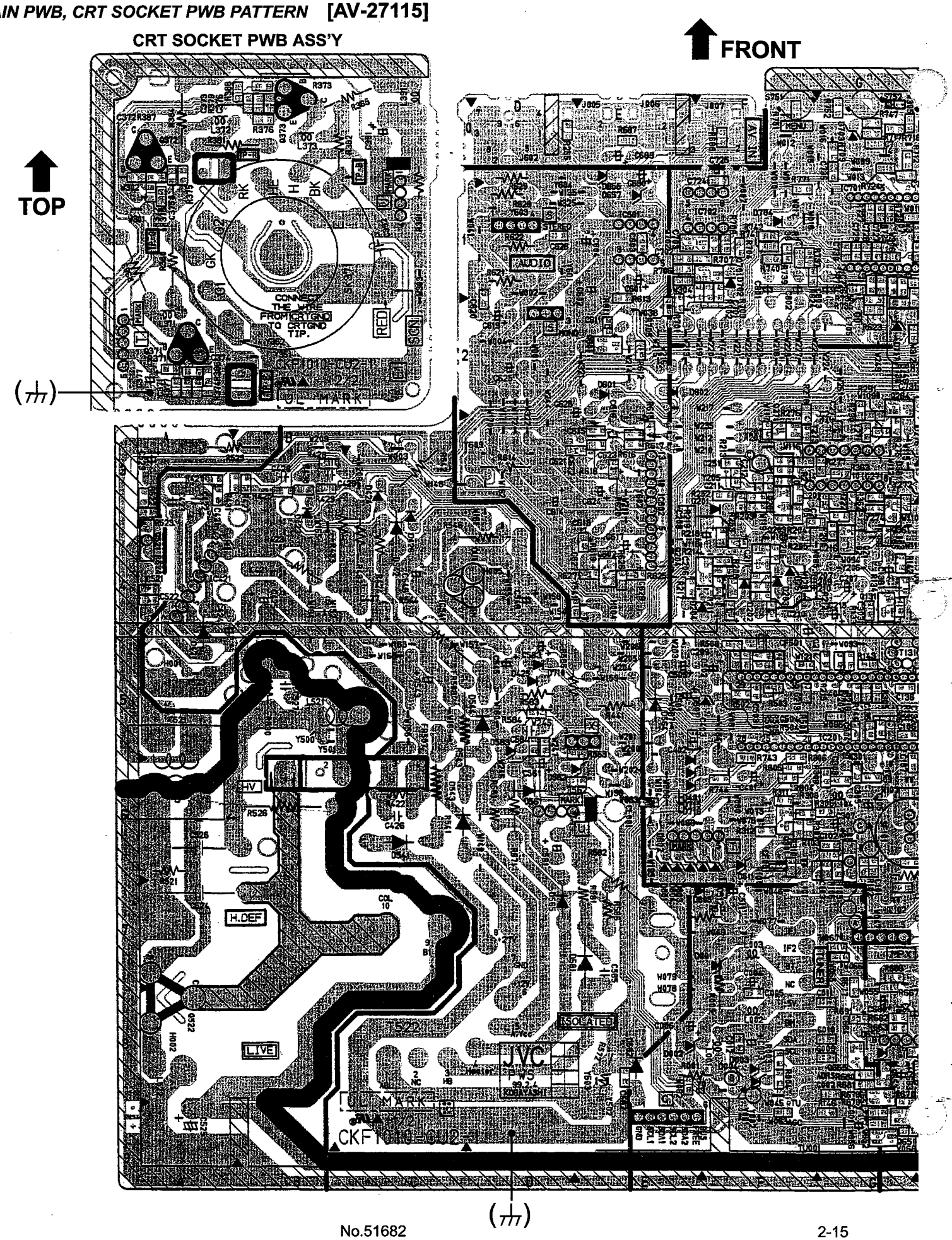


MAIN PWB ASS'Y

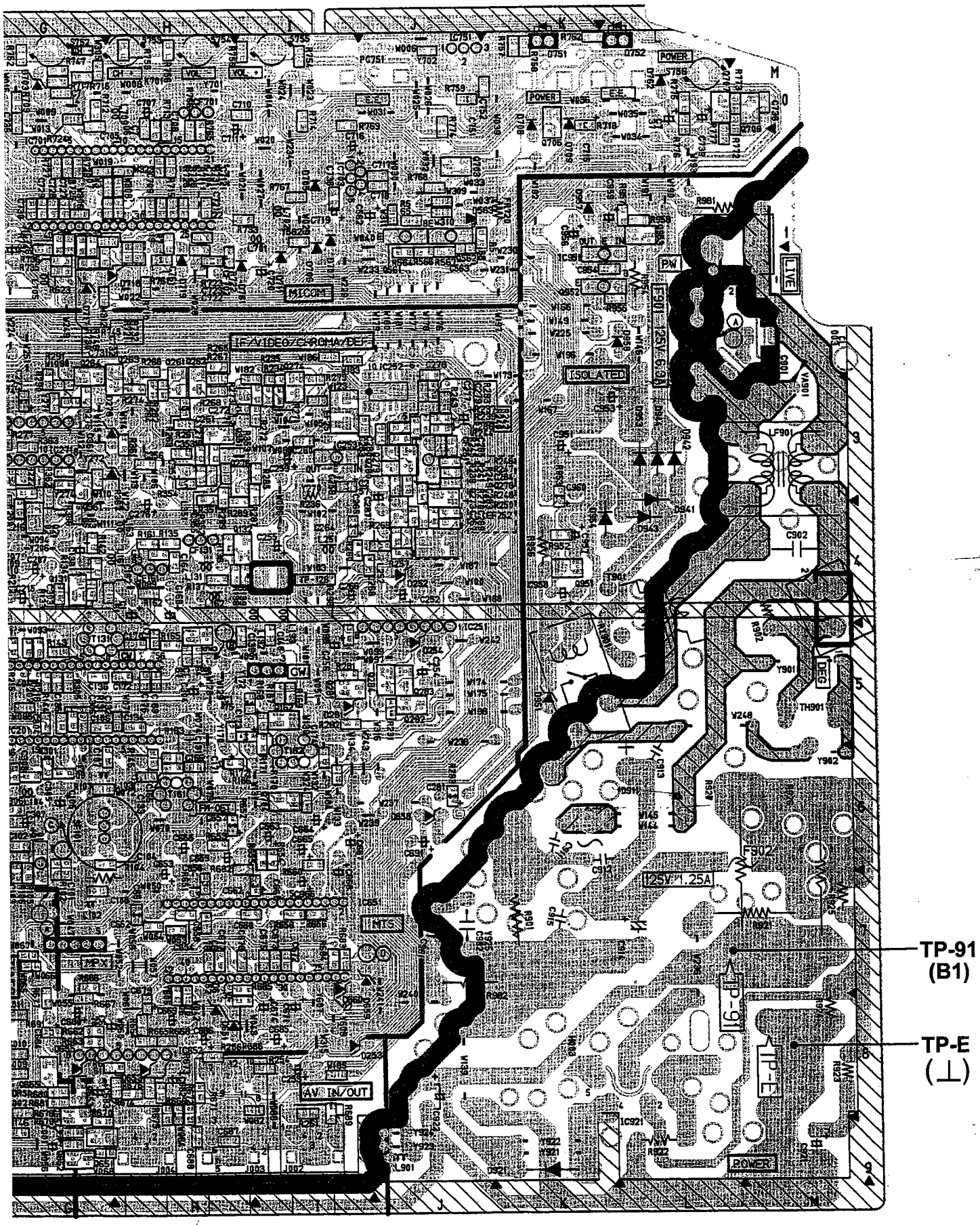


MAIN PWB, CRT SOCKET PWB PATTERN [AV-27115]

CRT SOCKET PWB ASS'Y



MAIN PWB ASS'Y



■CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	I
			B	15	
			C	16	II
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	IV
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
			W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
		ULTRA	W+60	101	
			W+61	102	
×	○		W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV

TOTAL 180CH
{ VHF 124CH
UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

■CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B C D E F G H I	14 15 16 17 18 19 20 21 22	
		SUPER	J K L M N O	23 24 25 26 27 28	
		SUPER	P Q R S T U V W	29 30 31 32 33 34 35 36	III
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	
		ULTRA	W+29	65	
		ULTRA	W+30 W+31 W+32 W+33 W+34	66 67 68 69 70	IV

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4	01 96	I
		SUB MID	A-3 A-2 A-1	97 98 99	II
○	×	UHF	14 ~ 69		IV

TOTAL 180CH
{ VHF 124CH
UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

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PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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■ EXPLODED VIEW 29

[AV-27120(US&CA)]

■ PRINTED WIRING BOARD PARTS LIST
● MAIN PW BOARD ASS'Y (SFV-1031A-M2) (With CRT SOCKET PW BOARD) 30

[AV-27120(A US&A CA)]

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[AV-27115(US&CA)] / [AV-27115(A US&A CA)]

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[AV-27115(US&CA)]

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● MAIN PW BOARD ASS'Y (SFV-1032A-M2) (With CRT SOCKET PW BOARD) 42

[AV-27115(A US&A CA)]

■ PRINTED WIRING BOARD PARTS LIST
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USING P.W. BOARD & REMOTE CONTROL UNIT

Model / P.W.B ASS'Y	AV-27120 (US&CA)	AV-27120 (A US&A CA)	AV-27115 (US&CA)	AV-27115 (A US&A CA)
MAIN P.W.B	SFV-1031A-M2	SFV-1033A-M2	SFV-1032A-M2	SFV-1034A-M2
REMOTE CONTROL UNIT	RM-C381-1A	←	RM-C205-1C	←

[AV-27120(US&CA)] / [AV-27120(A US&A CA)]

EXPLODED VIEW PARTS LIST

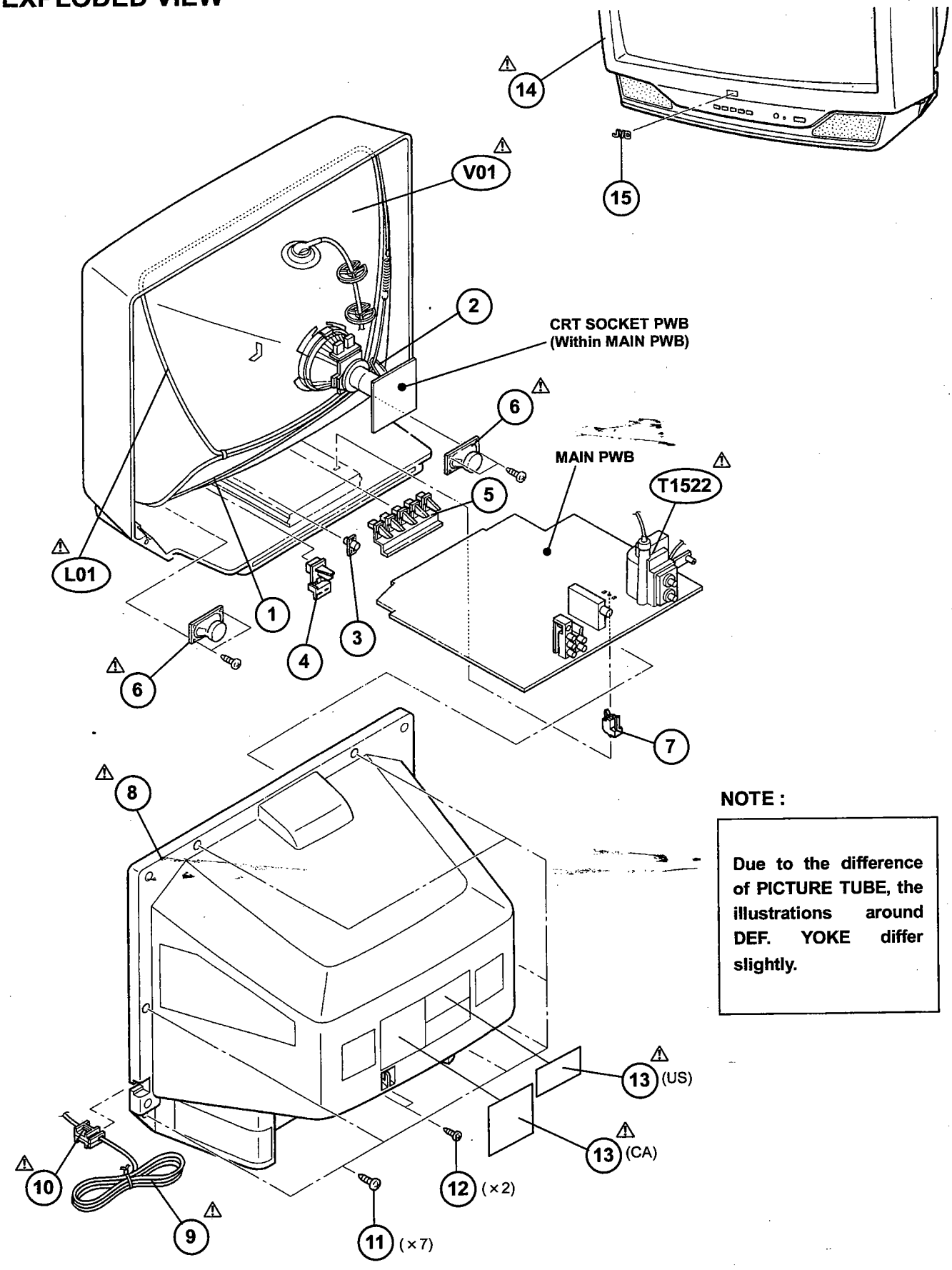
[AV-27120(US&CA)]

⚠	Ref.No.	Part No.	Part Name	Description
⚠	V01	A68ADT25X01	ITC TUBE(C)	Inc.DY
⚠	L01	CE41329-00DJB	DEG COIL	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
	1	CHGB0015-0B	BRAIDED WIRE	
	2	CHGB0016-0C	BRAIDED WIRE	
	3	LC30191-001C-A	REMOCON LENS	
	4	LC30376-001A-A	POWER KNOB	
	5	LC30271-001A-A	PUSH KNOB	
⚠	6	CEBSS09D-03KJ2	SPEAKER	(×2)SP01,SP02
	7	CM48144-001-A	PB STOPPER	
⚠	8	LC10082-001D-A	REAR COVER	
⚠	9	QMPD200-200-JC	POWER CORD	CN10PW Within MAIN PWB
⚠	10	LC20106-001D-A	CORD CLAMP	
	11	QYSBSFG4016Z	TAPPING SCREW	(×7)
	12	QYSBSB3010Z	TAPPING SCREW	(×2)
⚠	13	CM23034-001-A	RATING LABEL	(AV-27120(US))
⚠	13	CM22999-A01-A	RATING LABEL	(AV-27120(CA))
⚠	14	LC10081-001E-A	FRONT CABINET	
	15	CM48006-006-C	JVC MARK	

[AV-27120(A US&A CA)]

⚠	Ref.No.	Part No.	Part Name	Description
⚠	V01	A68QDN891X001	PICTURE TUBE	Inc.DY, PC, WED.
⚠	L01	CE41329-00DJB	DEG COIL	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
	1	CHGB0015-0B	BRAIDED WIRE	
	2	CHGB0016-0C	BRAIDED WIRE	
	3	LC30191-001C-A	REMOCON LENS	
	4	LC30376-001A-A	POWER KNOB	
	5	LC30271-001A-A	PUSH KNOB	
⚠	6	CEBSS09D-03KJ2	SPEAKER	(×2)SP01,SP02
	7	CM48144-001-A	PB STOPPER	
⚠	8	LC10082-001D-A	REAR COVER	
⚠	9	QMPD200-200-JC	POWER CORD	CN10PW Within MAIN PWB
⚠	10	LC20106-001D-A	CORD CLAMP	
	11	QYSBSFG4016Z	TAPPING SCREW	(×7)
	12	QYSBSB3010Z	TAPPING SCREW	(×2)
⚠	13	CM23034-001-A	RATING LABEL	(AV-27120(A US))
⚠	13	CM22999-A01-A	RATING LABEL	(AV-27120(A CA))
⚠	14	LC10081-001E-A	FRONT CABINET	
	15	CM48006-006-C	JVC MARK	

EXPLODED VIEW



NOTE :

Due to the difference of PICTURE TUBE, the illustrations around DEF. YOKE differ slightly.

AV-27120(US&CA)

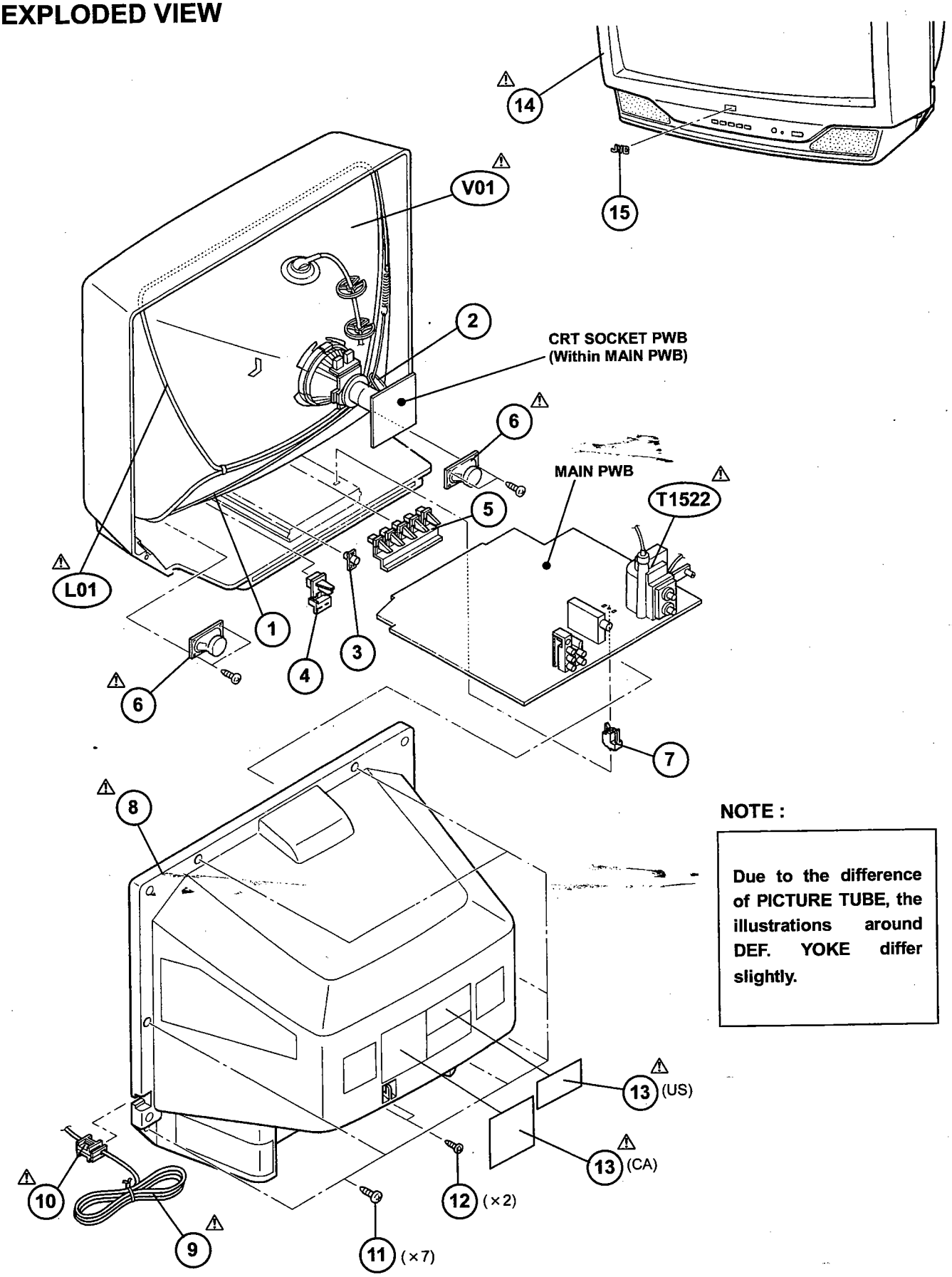
PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1031A-M2)

⚠ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R1001	QRE121J-5R6Y	C R	5.6Ω 1/2W J
R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1005	QRG01GJ-121	OM R	120Ω 1W J
R1101	NRSA02J-820X	MG R	82Ω 1/10W J
R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1104	QRE121J-101Y	C R	100Ω 1/2W J
R1105	NRSA02J-180X	MG R	18Ω 1/10W J
R1106	NRSA02J-270X	MG R	27Ω 1/10W J
R1131	NRSA02J-271X	MG R	270Ω 1/10W J
R1133	NRSA02J-101X	MG R	100Ω 1/10W J
R1134	NRSA02J-102X	MG R	1kΩ 1/10W J
R1135	NRSA02J-561X	MG R	560Ω 1/10W J
R1136	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1137	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1138	NRSA02J-821X	MG R	820Ω 1/10W J
R1139	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1142	NRSA02J-101X	MG R	100Ω 1/10W J
R1145	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1146	NRSA02J-273X	MG R	27kΩ 1/10W J
R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J
R1163	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1164	NRSA02J-332X	MG R	3.3kΩ 1/10W J
R1165	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1203	NRSA02J-102X	MG R	1kΩ 1/10W J
R1204	NRSA02J-681X	MG R	680Ω 1/10W J
R1205	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1207	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1208	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1209	NRSA02J-471X	MG R	470Ω 1/10W J
R1210	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1211	NRSA02J-471X	MG R	470Ω 1/10W J
R1212	NRSA02J-103X	MG R	10kΩ 1/10W J
R1213	NRSA02J-391X	MG R	390Ω 1/10W J
R1215	NRSA02J-334X	MG R	330kΩ 1/10W J
R1216	NRSA02J-563X	MG R	56kΩ 1/10W J
R1218	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1219	NRSA02J-122X	MG R	1.2kΩ 1/10W J
R1220	NRSA02J-561X	MG R	560Ω 1/10W J
R1222	NRSA02J-102X	MG R	1kΩ 1/10W J
R1234	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1235	NRSA02J-471X	MG R	470Ω 1/10W J
R1237-38	NRSA02J-101X	MG R	100Ω 1/10W J
R1239	NRSA02J-102X	MG R	1kΩ 1/10W J
R1240	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1241	NRSA02J-102X	MG R	1kΩ 1/10W J
R1242	NRSA02J-101X	MG R	100Ω 1/10W J
R1243	NRSA02J-223X	MG R	22kΩ 1/10W J
R1244	NRSA02J-473X	MG R	47kΩ 1/10W J
R1248	NRSA02J-333X	MG R	33kΩ 1/10W J
R1249	NRSA02J-153X	MG R	15kΩ 1/10W J
R1251	NRSA02J-750X	MG R	75Ω 1/10W J
R1254	NRSA02J-750X	MG R	75Ω 1/10W J
R1256	NRSA02J-680X	MG R	68Ω 1/10W J
R1257	NRSA02J-102X	MG R	1kΩ 1/10W J
R1260	NRSA02J-181X	MG R	180Ω 1/10W J
R1261	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1262	NRSA02J-102X	MG R	1kΩ 1/10W J
R1264	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1265	NRSA02J-102X	MG R	1kΩ 1/10W J
R1266	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1267	NRSA02J-101X	MG R	100Ω 1/10W J
R1268	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1269	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1270	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1271	NRSA02J-681X	MG R	680Ω 1/10W J
R1272	NRSA02J-182X	MG R	1.8kΩ 1/10W J

⚠ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R1273	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1274	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1275	NRSA02J-223X	MG R	22kΩ 1/10W J
R1276	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1277	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1278	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1279	NRSA02J-101X	MG R	100Ω 1/10W J
R1285	NRSA02J-101X	MG R	100Ω 1/10W J
R1287	NRSA02J-221X	MG R	220Ω 1/10W J
R1289	NRSA02J-471X	MG R	470Ω 1/10W J
R1290	NRSA02J-563X	MG R	56kΩ 1/10W J
R1291	NRSA02J-473X	MG R	47kΩ 1/10W J
R1293	NRSA02J-821X	MG R	820Ω 1/10W J
R1305	NRSA02J-393X	MG R	39kΩ 1/10W J
R1306	NRSA02J-183X	MG R	18kΩ 1/10W J
R1307	NRSA02J-473X	MG R	47kΩ 1/10W J
R1308	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1309	NRSA02J-473X	MG R	47kΩ 1/10W J
R1310	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1311	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1312	NRSA02J-680X	MG R	68Ω 1/10W J
R1351	NRSA02J-471X	MG R	470Ω 1/10W J
R1353	NRSA02J-153X	MG R	15kΩ 1/10W J
R1361	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1365	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1366	NRSA02J-563X	MG R	56kΩ 1/10W J
R1367	NRSA02J-333X	MG R	33kΩ 1/10W J
R1371-73	NRSA02J-151X	MG R	150Ω 1/10W J
R1374-76	NRSA02J-331X	MG R	330Ω 1/10W J
R1377-79	NRSA02J-101X	MG R	100Ω 1/10W J
R1380-82	QRZ0111-152	C R	1.5kΩ 1/2W K
R1383-85	QRL029J-153	OM R	15kΩ 2W J
R1386-88	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1422	QRE121J-561Y	C R	560Ω 1/2W J
R1423	QRX01GJ-1R0	MF R	1.0Ω 1W J
R1424	QRE121J-102Y	C R	1kΩ 1/2W J
R1425	NRSA02J-683X	MG R	68kΩ 1/10W J
R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1428	NRSA02J-393X	MG R	39kΩ 1/10W J
R1429	NRSA02J-223X	MG R	22kΩ 1/10W J
R1430-31	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1433	QRE121J-100Y	C R	10Ω 1/2W J
R1441	QRE121J-102Y	C R	1kΩ 1/2W J
R1501	NRSA02J-361X	MG R	360Ω 1/10W J
R1502	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J
R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1507	NRSA02J-563X	MG R	56kΩ 1/10W J
R1511	QRE121J-391Y	C R	390Ω 1/2W J
R1522	NRSA02J-391X	MG R	390Ω 1/10W J
R1523	NRSA02J-471X	MG R	470Ω 1/10W J
R1524	QRE121J-271Y	C R	270Ω 1/2W J
R1525	QRG01GJ-220	OM R	22Ω 1W J
R1526	QRL039J-152	OM R	1.5kΩ 3W J
R1530	QRE121J-681Y	C R	680Ω 1/2W J
R1541	QRT029J-1R8	MF R	1.8Ω 2W J
R1542	QRL029J-101	OM R	100Ω 2W J
R1543	QRT039J-1R0	MF R	1.0Ω 3W J
R1544	QRT039J-1R0	MF R	1.0Ω 3W J
R1546	QRL029J-220	OM R	22Ω 2W J
R1561	QRK126J-4R7X	C R	4.7Ω 1/2W J
⚠ R1562	NRZ0032-7151X	MF R	7.15kΩ 1/10W J
⚠ R1563	NRZ0032-2941X	MF R	2.94kΩ 1/10W J
R1564	NRSA02J-153X	MG R	15kΩ 1/10W J
R1565	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1566	NRSA02J-333X	MG R	33kΩ 1/10W J

EXPLODED VIEW



NOTE :

Due to the difference of PICTURE TUBE, the illustrations around DEF. YOKE differ slightly.

AV-27120(US&CA)

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1031A-M2)

⚠ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R1001	QRE121J-5R6Y	C R	5.6Ω 1/2W J
R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1005	QRG01GJ-121	OM R	120Ω 1W J
R1101	NRSA02J-820X	MG R	82Ω 1/10W J
R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1104	QRE121J-101Y	C R	100Ω 1/2W J
R1105	NRSA02J-180X	MG R	18Ω 1/10W J
R1106	NRSA02J-270X	MG R	27Ω 1/10W J
R1131	NRSA02J-271X	MG R	270Ω 1/10W J
R1133	NRSA02J-101X	MG R	100Ω 1/10W J
R1134	NRSA02J-102X	MG R	1kΩ 1/10W J
R1135	NRSA02J-561X	MG R	560Ω 1/10W J
R1136	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1137	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1138	NRSA02J-821X	MG R	820Ω 1/10W J
R1139	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1142	NRSA02J-101X	MG R	100Ω 1/10W J
R1145	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1146	NRSA02J-273X	MG R	27kΩ 1/10W J
R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J
R1163	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1164	NRSA02J-332X	MG R	3.3kΩ 1/10W J
R1165	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1203	NRSA02J-102X	MG R	1kΩ 1/10W J
R1204	NRSA02J-681X	MG R	680Ω 1/10W J
R1205	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1207	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1208	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1209	NRSA02J-471X	MG R	470Ω 1/10W J
R1210	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1211	NRSA02J-471X	MG R	470Ω 1/10W J
R1212	NRSA02J-103X	MG R	10kΩ 1/10W J
R1213	NRSA02J-391X	MG R	390Ω 1/10W J
R1215	NRSA02J-334X	MG R	330kΩ 1/10W J
R1216	NRSA02J-563X	MG R	56kΩ 1/10W J
R1218	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1219	NRSA02J-122X	MG R	1.2kΩ 1/10W J
R1220	NRSA02J-561X	MG R	560Ω 1/10W J
R1222	NRSA02J-102X	MG R	1kΩ 1/10W J
R1234	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1235	NRSA02J-471X	MG R	470Ω 1/10W J
R1237-38	NRSA02J-101X	MG R	100Ω 1/10W J
R1239	NRSA02J-102X	MG R	1kΩ 1/10W J
R1240	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1241	NRSA02J-102X	MG R	1kΩ 1/10W J
R1242	NRSA02J-101X	MG R	100Ω 1/10W J
R1243	NRSA02J-223X	MG R	22kΩ 1/10W J
R1244	NRSA02J-473X	MG R	47kΩ 1/10W J
R1248	NRSA02J-333X	MG R	33kΩ 1/10W J
R1249	NRSA02J-153X	MG R	15kΩ 1/10W J
R1251	NRSA02J-750X	MG R	75Ω 1/10W J
R1254	NRSA02J-750X	MG R	75Ω 1/10W J
R1256	NRSA02J-680X	MG R	68Ω 1/10W J
R1257	NRSA02J-102X	MG R	1kΩ 1/10W J
R1260	NRSA02J-181X	MG R	180Ω 1/10W J
R1261	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1262	NRSA02J-102X	MG R	1kΩ 1/10W J
R1264	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1265	NRSA02J-102X	MG R	1kΩ 1/10W J
R1266	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1267	NRSA02J-101X	MG R	100Ω 1/10W J
R1268	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1269	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1270	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1271	NRSA02J-681X	MG R	680Ω 1/10W J
R1272	NRSA02J-182X	MG R	1.8kΩ 1/10W J

⚠ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R1273	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1274	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1275	NRSA02J-223X	MG R	22kΩ 1/10W J
R1276	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1277	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1278	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1279	NRSA02J-101X	MG R	100Ω 1/10W J
R1285	NRSA02J-101X	MG R	100Ω 1/10W J
R1287	NRSA02J-221X	MG R	220Ω 1/10W J
R1289	NRSA02J-471X	MG R	470Ω 1/10W J
R1290	NRSA02J-563X	MG R	56kΩ 1/10W J
R1291	NRSA02J-473X	MG R	47kΩ 1/10W J
R1293	NRSA02J-821X	MG R	820Ω 1/10W J
R1305	NRSA02J-393X	MG R	39kΩ 1/10W J
R1306	NRSA02J-183X	MG R	18kΩ 1/10W J
R1307	NRSA02J-473X	MG R	47kΩ 1/10W J
R1308	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1309	NRSA02J-473X	MG R	47kΩ 1/10W J
R1310	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1311	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1312	NRSA02J-680X	MG R	68Ω 1/10W J
R1351	NRSA02J-471X	MG R	470Ω 1/10W J
R1353	NRSA02J-153X	MG R	15kΩ 1/10W J
R1361	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1365	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1366	NRSA02J-563X	MG R	56kΩ 1/10W J
R1367	NRSA02J-333X	MG R	33kΩ 1/10W J
R1371-73	NRSA02J-151X	MG R	150Ω 1/10W J
R1374-76	NRSA02J-331X	MG R	330Ω 1/10W J
R1377-79	NRSA02J-101X	MG R	100Ω 1/10W J
R1380-82	QRZ0111-152	C R	1.5kΩ 1/2W K
R1383-85	QRL029J-153	OM R	15kΩ 2W J
R1386-88	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1422	QRE121J-561Y	C R	560Ω 1/2W J
R1423	QRX01GJ-1R0	MF R	1.0Ω 1W J
R1424	QRE121J-102Y	C R	1kΩ 1/2W J
R1425	NRSA02J-683X	MG R	68kΩ 1/10W J
R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1428	NRSA02J-393X	MG R	39kΩ 1/10W J
R1429	NRSA02J-223X	MG R	22kΩ 1/10W J
R1430-31	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1433	QRE121J-100Y	C R	10Ω 1/2W J
R1441	QRE121J-102Y	C R	1kΩ 1/2W J
R1501	NRSA02J-361X	MG R	360Ω 1/10W J
R1502	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J
R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1507	NRSA02J-563X	MG R	56kΩ 1/10W J
R1511	QRE121J-391Y	C R	390Ω 1/2W J
R1522	NRSA02J-391X	MG R	390Ω 1/10W J
R1523	NRSA02J-471X	MG R	470Ω 1/10W J
R1524	QRE121J-271Y	C R	270Ω 1/2W J
R1525	QRG01GJ-220	OM R	22Ω 1W J
R1526	QRL039J-152	OM R	1.5kΩ 3W J
R1530	QRE121J-681Y	C R	680Ω 1/2W J
R1541	QRT029J-1R8	MF R	1.8Ω 2W J
R1542	QRL029J-101	OM R	100Ω 2W J
R1543	QRT039J-1R0	MF R	1.0Ω 3W J
R1544	QRT039J-1R0	MF R	1.0Ω 3W J
R1546	QRL029J-220	OM R	22Ω 2W J
R1561	QRK126J-4R7X	C R	4.7Ω 1/2W J
⚠ R1562	NRZ0032-7151X	MF R	7.15kΩ 1/10W J
⚠ R1563	NRZ0032-2941X	MF R	2.94kΩ 1/10W J
R1564	NRSA02J-153X	MG R	15kΩ 1/10W J
R1565	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1566	NRSA02J-333X	MG R	33kΩ 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1567	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1568	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1571	QRX01GJ-1R5	MF R	1.5Ω 1W J
	R1581	QRJ146J-2R2X	C R	2.2Ω 1/4W J
	R1582	QRL029J-223	OM R	22kΩ 2W J
	R1583	QRE121J-333Y	C R	33kΩ 1/2W J
	R1584	QRE121J-393Y	C R	39kΩ 1/2W J
	R1585	QRE121J-103Y	C R	10kΩ 1/2W J
	R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J
	R1615-16	NRSA02J-123X	MG R	12kΩ 1/10W J
	R1617-18	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1619-20	NRSA02J-391X	MG R	390Ω 1/10W J
	R1621-22	QRE121J-4R7Y	C R	4.7Ω 1/2W J
	R1623	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1625	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1627	NRSA02J-101X	MG R	100Ω 1/10W J
	R1651	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1652-53	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1654	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1655	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1656	NRVA02D-152X	MF R	1.5kΩ 1/10W D
	R1658	NRVA02D-153X	MF R	15kΩ 1/10W D
	R1660	NRSA02J-512X	MG R	5.1kΩ 1/10W J
	R1661	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1662-65	NRSA02J-123X	MG R	12kΩ 1/10W J
	R1666-67	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1668	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1669-70	NRSA02J-471X	MG R	470Ω 1/10W J
	R1671-72	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1673-74	NRSA02J-823X	MG R	82kΩ 1/10W J
	R1675-76	NRSA02J-181X	MG R	180Ω 1/10W J
	R1677	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1678-81	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1682	NRSA02J-683X	MG R	68kΩ 1/10W J
	R1683-84	NRSA02J-561X	MG R	560Ω 1/10W J
	R1691	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1701	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1702-04	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1705	NRSA02J-823X	MG R	82kΩ 1/10W J
	R1706	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1707	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1708-09	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1710	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1712	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1713	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1714	NRSA02J-471X	MG R	470Ω 1/10W J
	R1715	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1716	NRSA02J-154X	MG R	150kΩ 1/10W J
	R1717	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1719	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1721-22	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1723	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1725	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1726	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1727	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1728	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1729	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1730	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1732	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1733	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1734	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1735	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1736	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1737	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1738	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1739	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1740	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1741	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1742	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1743-44	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1745-46	NRSA02J-561X	MG R	560Ω 1/10W J
	R1747	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1751	NRSA02J-103X	MG R	10kΩ 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1752	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1753	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1754	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1755	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1756	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1757-58	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1759	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1765-66	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1767	NRSA02J-474X	MG R	470kΩ 1/10W J
	R1768	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1769	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1771	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1804-06	NRSA02J-101X	MG R	100Ω 1/10W J
⚠	R1901	QRF074K-1R2	UNF R	1.2 Ω 7W K
⚠	R1921	QRX029J-2R7	MF R	2.7 Ω 2W J
	R1923	QRJ146J-470X	C R	47Ω 1/4W J
	R1924	QRN141J-334Y	C R	330kΩ 1/4W J
	R1925	QRN141J-123Y	C R	12kΩ 1/4W J
⚠	R1926	QRF154J-271	UNF R	270 Ω 15W J
⚠	R1927	QRF154J-271	UNF R	270 Ω 15W J
	R1952	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1953	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1954	QRE121J-102Y	C R	1kΩ 1/2W J
	R1955	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1956	QRE121J-101Y	C R	100Ω 1/2W J
	R1957	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1958	NRSA02J-103X	MG R	10kΩ 1/10W J
⚠	R1981	QRZ9041-275	C R	2.7MΩ 1/2W K
	CAPACITOR			
	C1001	QETN1HM-106Z	E CAP.	10μF 50V M
	C1003	QETN1AM-477Z	E CAP.	470μF 10V M
	C1004	QETN1HM-106Z	E CAP.	10μF 50V M
	C1005	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1006	QETN1CM-476Z	E CAP.	47μF 16V M
	C1011-12	NCB21HK-102X	C CAP.	1000pF 50V K
	C1101-04	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1105	QETN1CM-107Z	E CAP.	100μF 16V M
	C1106	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1107	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1108	NDC21HJ-680X	C CAP.	68pF 50V J
	C1131	QFV71HJ-154Z	MF CAP.	0.15μF 50V J
	C1132	NCB21HK-152X	C CAP.	1500pF 50V K
	C1133	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1134	NCB21HK-472X	C CAP.	4700pF 50V K
	C1135	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1138	QETN1CM-476Z	E CAP.	47μF 16V M
	C1161	QETN1CM-107Z	E CAP.	100μF 16V M
	C1162	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1163-64	NDC21HJ-470X	C CAP.	47pF 50V J
	C1166	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1167	NDC21HJ-470X	C CAP.	47pF 50V J
	C1169-70	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1205	NDC21HJ-680X	C CAP.	68pF 50V J
	C1207	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1208	QETN1HM-106Z	E CAP.	10μF 50V M
	C1209-10	QETN1HM-105Z	E CAP.	1μF 50V M
	C1212	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1214	QETN1HM-106Z	E CAP.	10μF 50V M
	C1215	QETN1HM-105Z	E CAP.	1μF 50V M
	C1217	QETN1CM-476Z	E CAP.	47μF 16V M
	C1253	QETN1HM-105Z	E CAP.	1μF 50V M
	C1254-55	QETN1HM-106Z	E CAP.	10μF 50V M
	C1256	QETN1CM-107Z	E CAP.	100μF 16V M
	C1257	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1258	QETN1CM-107Z	E CAP.	100μF 16V M
	C1259	QETN1EM-476Z	E CAP.	47μF 25V M
	C1260	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1261	QETN1EM-476Z	E CAP.	47μF 25V M
	C1263	NDC21HJ-181X	C CAP.	180pF 50V J
	C1264	QETN1EM-476Z	E CAP.	47μF 25V M
	C1265	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1266	QENC1EM-106Z	BP E CAP.	10μF 25V M
	C1267	NDC21HJ-470X	C CAP.	47pF 50V J

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⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C1268	NDC21HJ-101X	C CAP.	100pF 50V J
	C1269	NDC21HJ-181X	C CAP.	180pF 50V J
	C1272	NDC21HJ-390X	C CAP.	39pF 50V J
	C1274	QETN1HM-105Z	E CAP.	1µF 50V M
	C1276	QETN1HM-106Z	E CAP.	10µF 50V M
	C1277	QETN1EM-476Z	E CAP.	47µF 25V M
	C1278-80	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1281	NDC21HJ-150X	C CAP.	15pF 50V J
	C1283-86	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1287	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1288-90	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1291	QETN1EM-476Z	E CAP.	47µF 25V M
	C1303	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1304	QETN1CM-107Z	E CAP.	100µF 16V M
	C1305	NDC21HJ-100X	C CAP.	10pF 50V J
	C1306	NCB21HK-223X	C CAP.	0.022µF 50V K
	C1307	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1308	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1309	NDC21HJ-2ROX	C CAP.	2.0pF 50V J
	C1352	NDC21HJ-680X	C CAP.	68pF 50V J
	C1353	NDC21HJ-271X	C CAP.	270pF 50V J
	C1356	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1374-76	NCS21HJ-561X	C CAP.	560pF 50V J
	C1377	QETN1CM-107Z	E CAP.	100µF 16V M
	C1391	QETM2EM-226	E CAP.	22µF 250V M
⚠	C1392	QCZ0121-102	C CAP.	1000pF 3kV Z
	C1401	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1402	QBHC1CK-225Z	TAN.CAP.	2.2µF 16V K
	C1403	NCB21HK-102X	C CAP.	1000pF 50V K
	C1421	NCB21HK-472X	C CAP.	4700pF 50V K
	C1424	QETN1VM-107Z	E CAP.	100µF 35V M
	C1425	QETN1VM-477Z	E CAP.	470µF 35V M
	C1426	QFLC2AK-473Z	M CAP.	0.047µF 100V K
	C1427	QETM1EM-228	E CAP.	2200µF 25V M
	C1428	QFV21HJ-474Z	MF CAP.	0.47µF 50V J
	C1429	QFV21HJ-224Z	MF CAP.	0.22µF 50V J
	C1501	QETN1CM-107Z	E CAP.	100µF 16V M
	C1502	QETN1HM-106Z	E CAP.	10µF 50V M
	C1503	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1505	QETN1HM-106Z	E CAP.	10µF 50V M
	C1511	QETN1CM-476Z	E CAP.	47µF 16V M
	C1521	NCB21HK-332X	C CAP.	3300pF 50V K
	C1522	NCB21HK-822X	C CAP.	8200pF 50V K
	C1523	QEM61HK-105Z	E CAP.	1µF 50V K
⚠	C1524	QFZ0117-1252	MPP CAP.	12500pF1.4kVH±2.5%
⚠	C1525	QEZ0203-107	E CAP.	100µF 160V M
⚠	C1526	QFZ0119-434	MPP CAP.	0.43µF 200V ±3%
	C1527	QCB32HK-561Z	C CAP.	560pF 500V K
	C1543	QETN1VM-477Z	E CAP.	470µF 35V M
	C1545	QETN1CM-227Z	E CAP.	220µF 16V M
	C1546	QETN1CM-477Z	E CAP.	470µF 16V M
	C1548	QETN1CM-227Z	E CAP.	220µF 16V M
⚠	C1561	QETN1HM-106Z	E CAP.	10µF 50V M
	C1562	QETN1HM-475Z	E CAP.	4.7µF 50V M
	C1563	NCB21HK-103X	C CAP.	0.01µF 50V K
⚠	C1581	QETN2EM-106Z	E CAP.	10µF 250V M
	C1582	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1583	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1584	QFLC2AJ-104Z	M CAP.	0.1µF 100V J
	C1615	NRSA02J-0ROX	MG R	0.0Ω 1/10W J
	C1616	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
	C1617	QETN1CM-476Z	E CAP.	47µF 16V M
	C1618	QETN1CM-107Z	E CAP.	100µF 16V M
	C1619	QETN1CM-477Z	E CAP.	470µF 16V M
	C1620	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1621	NRSA02J-0ROX	MG R	0.0Ω 1/10W J
	C1622	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
	C1623	QETN1CM-476Z	E CAP.	47µF 16V M
	C1624	QETN1CM-107Z	E CAP.	100µF 16V M
	C1625	QETN1CM-477Z	E CAP.	470µF 16V M
	C1626	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1627	QETN1CM-477Z	E CAP.	470µF 16V M
	C1651	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1652	QETN1CM-107Z	E CAP.	100µF 16V M
	C1653	QETN1CM-476Z	E CAP.	47µF 16V M

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C1654	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1655	QENC1HM-475Z	BP E CAP.	4.7µF 50V M
	C1656	QENC1HM-105Z	BP E CAP.	1µF 50V M
	C1657	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1658	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1659	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1660-61	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1662	QBTC1CK-335Z	TAN.CAP.	3.3µF 16V K
	C1663	QETN1HM-105Z	E CAP.	1µF 50V M
	C1664	QBTC1CK-106Z	TAN.CAP.	10µF 16V K
	C1665-66	QETN1HM-105Z	E CAP.	1µF 50V M
	C1667	QETN1HM-336Z	E CAP.	33µF 50V M
	C1668	QETN1HM-105Z	E CAP.	1µF 50V M
	C1669-70	QENC1HM-105Z	BP E CAP.	1µF 50V M
	C1671	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1672	NCB21HK-222X	C CAP.	2200pF 50V K
	C1673	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1674	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1675	NCB21HK-222X	C CAP.	2200pF 50V K
	C1676	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1679	QETN1HM-105Z	E CAP.	1µF 50V M
	C1680	QETN1CM-476Z	E CAP.	47µF 16V M
	C1682-83	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1685-86	QETN1HM-106Z	E CAP.	10µF 50V M
	C1687-88	NCB21HK-472X	C CAP.	4700pF 50V K
	C1701	NDC21HJ-560X	C CAP.	56pF 50V J
	C1703	NCB21HK-102X	C CAP.	1000pF 50V K
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1705	NDC21HJ-151X	C CAP.	150pF 50V J
	C1706	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1707	QETN1HM-105Z	E CAP.	1µF 50V M
	C1708	NCS21HJ-221X	C CAP.	220pF 50V J
	C1709	NCS21HJ-102X	C CAP.	1000pF 50V J
	C1710	NDC21HJ-681X	C CAP.	680pF 50V J
	C1711	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1712	NCB21HK-102X	C CAP.	1000pF 50V K
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1716	QETN1CM-476Z	E CAP.	47µF 16V M
	C1717	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1718	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1719-20	QETN1CM-107Z	E CAP.	100µF 16V M
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1722-23	NDC21HJ-5ROX	C CAP.	5.0pF 50V J
	C1724	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1725	QETN1AM-227Z	E CAP.	220µF 10V M
	C1726	NDC21HJ-470X	C CAP.	47pF 50V J
	C1735	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1751	QETN1CM-476Z	E CAP.	47µF 16V M
	C1801-03	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
⚠	C1901	QFZ9040-104	MF CAP.	0.1µFAC275V M
⚠	C1902	QFZ9040-473	MF CAP.	0.47µFAC275V M
⚠	C1911	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1912	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1913	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1914	QEZ0429-477	E CAP.	470µF 200V M
	C1921	QEHR2CM-335Z	E CAP.	3.3µF 160V M
	C1951	QETN1EM-227Z	E CAP.	220µF 25V M
	C1953	QETN1EM-107Z	E CAP.	100µF 25V M
	C1954	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1956	QETN1HM-106Z	E CAP.	10µF 50V M
	C1958	QETN1EM-107Z	E CAP.	100µF 25V M
	C1959	QETN1HM-226Z	E CAP.	22µF 50V M
⚠	C1981	QCZ9074-103	C CAP.	0.01µFAC125V M
⚠	C1982	QCZ9074-103	C CAP.	0.01µFAC125V M
	TRANSFORMER			
	T1131	QQR0907-001	I.F.TRANSFOMER	
	T1161	CELT003-109J3	S.I.F.TRANSF.	
⚠	T1521	CE41106-00CJ1	DRIVE TRANSF.	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
⚠	T1901	QQT0198-001	POWER TRANSF.	
	COIL			
	L1001	QQL03BJ-150Z	COIL	15µH
	L1003	QQL03BJ-5R6Z	COIL	5.6µH

⚠	Symbol No.	Part No.	Part Name	Description
COIL				
	L1102	QQLZ014-R22	PEAKING COIL	
	L1104	QQL03BJ-680Z	COIL	68µH
	L1131	QQL03BJ-220Z	COIL	22µH
	L1161	QQL03BJ-680Z	COIL	68µH
	L1162	QQL03BJ-390Z	COIL	39µH
	L1201	QQL03BJ-330Z	COIL	33µH
	L1252-53	QQL29BJ-4R7Z	PEAKING COIL	
	L1255	QQL29BJ-6R8Z	PEAKING COIL	
	L1256	QQL29BJ-150Z	PEAKING COIL	
	L1271	QQL29BJ-150Z	PEAKING COIL	
	L1351	QQL29BJ-150Z	PEAKING COIL	
	L1391	QQL03BJ-390Z	COIL	39µH
	L1521	CELL004-001	LINEARITY COIL	
	L1701	QQL03BJ-4R7Z	COIL	4.7µH
	L1709	QQL03BJ-100Z	COIL	10µH
DIODE				
	D1001	MTZJ33B-T2	ZENER DIODE	
	D1002	MTZJ5.1B-T2	ZENER DIODE	
	D1003-04	MTZJ9.1C-T2	ZENER DIODE	
	D1201-03	1SS133-T2	SI.DIODE	
	D1252-54	MTZJ9.1C-T2	ZENER DIODE	
	D1421	1N4003-T2	SI.DIODE	
	D1422	MTZJ75-T2	ZENER DIODE	
	D1423	1SS133-T2	SI.DIODE	
	D1501	MTZJ9.1C-T2	ZENER DIODE	
	D1511	MTZJ3.3A-T2	ZENER DIODE	
	D1541	RGP10J-5025-T3	SI.DIODE	
	D1542	1SR35-400A-T2	SI.DIODE	
	D1543-44	RGP10J-5025-T3	SI.DIODE	
	D1561	1SS81-T2	SI.DIODE	
⚠	D1562	MA4068N/Z1/-T2	ZENER DIODE	
	D1563	1SS133-T2	SI.DIODE	
⚠	D1581	RH1S-T3	SI.DIODE	
	D1582	RGP10J-5025-T3	SI.DIODE	
	D1583	MTZJ9.1C-T2	ZENER DIODE	
	D1601-02	1SS133-T2	SI.DIODE	
	D1651-52	MTZJ9.1C-T2	ZENER DIODE	
	D1659-60	MTZJ9.1C-T2	ZENER DIODE	
	D1704-07	1SS133-T2	SI.DIODE	
	D1711	1SS133-T2	SI.DIODE	
	D1717-18	MTZJ9.1C-T2	ZENER DIODE	
	D1751	SLR-342VR3F	L.E.D.	
	D1804	MTZJ5.1B-T2	ZENER DIODE	
	D1805	1SS133-T2	SI.DIODE	
⚠	D1911	D3SB60	BRIDGE DIODE	
	D1941-44	1SR35-400A-T2	SI.DIODE	
	D1951	MTZJ12C-T2	ZENER DIODE	
	D1953	1SR35-400A-T2	SI.DIODE	
	D1957-58	1SS133-T2	SI.DIODE	
TRANSISTOR				
	Q1101	2SC5083/L-P/-T	SI.TRANSISTOR	
	Q1131-32	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1161	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1201-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1261-62	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1263-64	DTC124EKA-X	DIGI.TRANSISTOR	
	Q1271	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1273-74	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1276	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1278-79	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1280	2SA1037AK/QR/-X	SI.TRANSISTOR	
	Q1282	2SA1037AK/QR/-X	SI.TRANSISTOR	
	Q1351	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1361	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1371-73	2SC4544-LB	SI.TRANSISTOR	
	Q1521	2SC2655/Y/-T	SI.TRANSISTOR	
⚠	Q1522	2SD2499-LB	SI.TRANSISTOR	H.OUT
	Q1561	2SC2785/JH/-T	SI.TRANSISTOR	
	Q1562	2SA933AS/QR/-T	SI.TRANSISTOR	
	Q1602	DTC323TK-X	DIGI.TRANSISTOR	
	Q1651-54	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1655	2SA1037AK/QR/-X	SI.TRANSISTOR	
	Q1701-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1704	DTC323TK-X	DIGI.TRANSISTOR	

⚠	Symbol No.	Part No.	Part Name	Description
TRANSISTOR				
	Q1951	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1952	2SA966/OY/-T	SI.TRANSISTOR	
	Q1953	2SC2412K/QR/-X	SI.TRANSISTOR	
IC				
	IC1201	TA1242N	I.C.(MONO-ANA)	
	IC1251	BA7612N	I.C.(MONO-ANA)	
	IC1252	TC90A45P	I.C.(DIGI-MOS)	
	IC1253	AN78L05-T	I.C.(MONO-ANA)	
	IC1271	TC4066BP/N/	I.C.(DIGI-MOS)	
⚠	IC1421	LA7832	I.C.(MONO-ANA)	
	IC1541	AN7809F	I.C.(MONO-ANA)	
⚠	IC1602	LA4446	I.C.(MONO-ANA)	
	IC1651	UPC1851BCU	I.C.(MONO-ANA)	
	IC1652	BA15218N	I.C.(MONO-ANA)	
	IC1701	M37272MA-050SP	IC	
	IC1702	AT24C02-C2011Q	I.C.	(SERVICE)
	IC1703	L78LR05E-MA	I.C.(MONO-ANA)	
	IC1751	GP1U281Q	IFR DETECT UNIT	
⚠	IC1921	STR30134	I.C.(H)	
	IC1951	TA78L009AP-T	I.C.(MONO-ANA)	
OTHERS				
		LC36150-001B-A	LED HOLDER	
	CF1001	QAX0349-001	CERAMIC FILTER	
	CF1131	CE41505-001	CERAMIC FILTER	
	CF1161	SFSH4.5MCB	CERAMIC FILTER	
	CF1501	CSB503F30-T2	CER.RESONATOR	
	CF1701	CST8.00MTW	CER.RESONATOR	
	CF1702	QAX0428-001	CER.RESONATOR	
	CL1001	QZW0028-002	WIRE CLAMP	
	CL1002-03	QZW0028-001	WIRE CLAMP	
⚠	CN10PW	QMPD200-200-JC	POWER CORD	(Charcoal type)
⚠	F1901	QMF0007-6R3J1	FUSE	6.3A
⚠	F1902	QMF0007-1R25J1	FUSE	1.25A
	FC1901	CEMG002-001Z	FUSE CLIP	(×2)
	FC1902	CEMG002-001Z	FUSE CLIP	(×4)
⚠	FR1720	QRZ9017-820	F R	82 Ω 1/4W J
	J1003	QNZ0117-001	PIN JACK	
	J1004	QNN0181-001	PIN JACK	
	K1251	CE41433-001Z	BEADS CORE	
	K1252	QQR0582-001Z	BEADS CORE	
	K1253	CE41433-001Z	BEADS CORE	
	K1701	QQR0582-001Z	BEADS CORE	
⚠	LF1901	QQR0864-002	LINE FILTER	
⚠	RY1901	QSK0083-001	RELAY	
	S1751	QSW0619-003Z	PUSH SWITCH	MENU
	S1752	QSW0619-003Z	PUSH SWITCH	CH-
	S1753	QSW0619-003Z	PUSH SWITCH	CH+
	S1754	QSW0619-003Z	PUSH SWITCH	VOL-
	S1755	QSW0619-003Z	PUSH SWITCH	VOL+
⚠	S1756	QSW0619-003Z	PUSH SWITCH	POWER
	SF1101	CE42589-201	SAW FILTER	
⚠	SK1371	CE42535-001J1	C.R.T.SOCKET	
⚠	TH1901	CEKP007-002	P.THERMISTOR	
⚠	TU1001	QAU0069-001	TUNER	
⚠	VA1901	ERZV10V361CS	VARISTOR	
	W1019	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1053-54	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1061-64	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1066-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1071-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1082-83	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1109	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1117	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1121	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1184-86	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1245-47	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1304-12	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1323-24	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1326	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1332	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	X1301	QAX0310-001Z	CRYSTAL	
	Y1170-71	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	Y1541	NRSA02J-0R0X	MG R	0.0Ω 1/10W J

AV-27120(A US&A CA)

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1033A-M2)

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1001	QRE121J-5R6Y	C R	5.6Ω 1/2W J
	R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1005	QRG01GJ-121	OM R	120Ω 1W J
	R1101	NRSA02J-820X	MG R	82Ω 1/10W J
	R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1104	QRE121J-101Y	C R	100Ω 1/2W J
	R1105	NRSA02J-180X	MG R	18Ω 1/10W J
	R1106	NRSA02J-270X	MG R	27Ω 1/10W J
	R1131	NRSA02J-271X	MG R	270Ω 1/10W J
	R1133	NRSA02J-101X	MG R	100Ω 1/10W J
	R1134	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1135	NRSA02J-561X	MG R	560Ω 1/10W J
	R1136	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1137	NRSA02J-272X	MG R	2.7kΩ 1/10W J
	R1138	NRSA02J-821X	MG R	820Ω 1/10W J
	R1139	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1142	NRSA02J-101X	MG R	100Ω 1/10W J
	R1145	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1146	NRSA02J-273X	MG R	27kΩ 1/10W J
	R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1163	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1164	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1165	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1203	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1204	NRSA02J-681X	MG R	680Ω 1/10W J
	R1205	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1207	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1208	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1209	NRSA02J-471X	MG R	470Ω 1/10W J
	R1210	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1211	NRSA02J-471X	MG R	470Ω 1/10W J
	R1212	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1213	NRSA02J-391X	MG R	390Ω 1/10W J
	R1215	NRSA02J-334X	MG R	330kΩ 1/10W J
	R1216	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1218	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1219	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1220	NRSA02J-561X	MG R	560Ω 1/10W J
	R1222	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1234	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1235	NRSA02J-471X	MG R	470Ω 1/10W J
	R1237-38	NRSA02J-101X	MG R	100Ω 1/10W J
	R1239	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1240	NRSA02J-272X	MG R	2.7kΩ 1/10W J
	R1241	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1242	NRSA02J-101X	MG R	100Ω 1/10W J
	R1243	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1244	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1248	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1249	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1251	NRSA02J-750X	MG R	75Ω 1/10W J
	R1254	NRSA02J-750X	MG R	75Ω 1/10W J
	R1256	NRSA02J-680X	MG R	68Ω 1/10W J
	R1257	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1260	NRSA02J-181X	MG R	180Ω 1/10W J
	R1261	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1262	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1264	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1265	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1266	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1267	NRSA02J-101X	MG R	100Ω 1/10W J
	R1268	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1269	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1270	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1271	NRSA02J-681X	MG R	680Ω 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1272	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1273	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1274	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1275	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1276	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1277	NRSA02J-272X	MG R	2.7kΩ 1/10W J
	R1278	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1279	NRSA02J-101X	MG R	100Ω 1/10W J
	R1285	NRSA02J-101X	MG R	100Ω 1/10W J
	R1287	NRSA02J-221X	MG R	220Ω 1/10W J
	R1289	NRSA02J-471X	MG R	470Ω 1/10W J
	R1290	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1291	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1293	NRSA02J-821X	MG R	820Ω 1/10W J
	R1305	NRSA02J-393X	MG R	39kΩ 1/10W J
	R1306	NRSA02J-183X	MG R	18kΩ 1/10W J
	R1307	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1308	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1309	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1310	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1311	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1312	NRSA02J-680X	MG R	68Ω 1/10W J
	R1351	NRSA02J-471X	MG R	470Ω 1/10W J
	R1353	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1361	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1365	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1366	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1367	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1371-73	NRSA02J-151X	MG R	150Ω 1/10W J
	R1374-76	NRSA02J-331X	MG R	330Ω 1/10W J
	R1377-79	NRSA02J-101X	MG R	100Ω 1/10W J
	R1380-82	QRZ0111-152	C R	1.5kΩ 1/2W K
	R1383-85	QRL029J-153	OM R	15kΩ 2W J
	R1386-88	NRSA02J-272X	MG R	2.7kΩ 1/10W J
	R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1422	QRE121J-561Y	C R	560Ω 1/2W J
	R1423	QRX01GJ-1R0	MF R	1.0Ω 1W J
	R1424	QRE121J-102Y	C R	1kΩ 1/2W J
	R1425	NRSA02J-683X	MG R	68kΩ 1/10W J
	R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1428	NRSA02J-393X	MG R	39kΩ 1/10W J
	R1429	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1430-31	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1433	QRE1211-100Y	C R	10Ω 1/2W J
	R1441	QRE121J-102Y	C R	1kΩ 1/2W J
	R1501	NRSA02J-361X	MG R	360Ω 1/10W J
	R1502	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1507	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1511	QRE121J-391Y	C R	390Ω 1/2W J
	R1522	NRSA02J-391X	MG R	390Ω 1/10W J
	R1523	NRSA02J-471X	MG R	470Ω 1/10W J
	R1524	QRE121J-271Y	C R	270Ω 1/2W J
	R1525	QRG01GJ-220	OM R	22Ω 1W J
	R1526	QRL039J-152	OM R	1.5kΩ 3W J
	R1530	QRE121J-681Y	C R	680Ω 1/2W J
	R1541	QRT029J-1R8	MF R	1.8Ω 2W J
	R1542	QRL029J-101	OM R	100Ω 2W J
	R1543	QRT039J-1R0	MF R	1.0Ω 3W J
	R1544	QRT039J-1R0	MF R	1.0Ω 3W J
	R1546	QRL029J-220	OM R	22Ω 2W J
	R1561	QRK126J-4R7X	C R	4.7Ω 1/2W J
⚠	R1562	NRZ0032-7151X	MF R	7.15kΩ 1/10W J
⚠	R1563	NRZ0032-2941X	MF R	2.94kΩ 1/10W J
	R1564	NRSA02J-153X	MG R	15kΩ 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1565	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1566	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1567	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1568	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1571	QRX01GJ-3R3	MF R	3.3Ω 1W J
	R1581	QRJ146J-2R2X	C R	2.2Ω 1/4W J
	R1582	QRL029J-223	OM R	22kΩ 2W J
	R1583	QRE121J-333Y	C R	33kΩ 1/2W J
	R1584	QRE121J-393Y	C R	39kΩ 1/2W J
	R1585	QRE121J-103Y	C R	10kΩ 1/2W J
	R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J
	R1615-16	NRSA02J-123X	MG R	12kΩ 1/10W J
	R1617-18	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1619-20	NRSA02J-391X	MG R	390Ω 1/10W J
	R1621-22	QRE121J-4R7Y	C R	4.7Ω 1/2W J
	R1623	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1625	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1627	NRSA02J-101X	MG R	100Ω 1/10W J
	R1651	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1652-53	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1654	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1655	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1656	NRVA02D-152X	MF R	1.5kΩ 1/10W D
	R1658	NRVA02D-153X	MF R	15kΩ 1/10W D
	R1660	NRSA02J-512X	MG R	5.1kΩ 1/10W J
	R1661	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1662-65	NRSA02J-123X	MG R	12kΩ 1/10W J
	R1666-67	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1668	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1669-70	NRSA02J-471X	MG R	470Ω 1/10W J
	R1671-72	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1673-74	NRSA02J-823X	MG R	82kΩ 1/10W J
	R1675-76	NRSA02J-181X	MG R	180Ω 1/10W J
	R1677	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1678-81	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1682	NRSA02J-683X	MG R	68kΩ 1/10W J
	R1683-84	NRSA02J-561X	MG R	560Ω 1/10W J
	R1691	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1701	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1702-04	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1705	NRSA02J-823X	MG R	82kΩ 1/10W J
	R1706	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1707	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1708-09	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1710	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1712	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1713	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1714	NRSA02J-471X	MG R	470Ω 1/10W J
	R1715	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1716	NRSA02J-154X	MG R	150kΩ 1/10W J
	R1717	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1719	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1721-22	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1723	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1725	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1726	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1727	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1728	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1729	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1730	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1732	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1733	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1734	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1735	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1736	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1737	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1738	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1739	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1740	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1741	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1742	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1743-44	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1745-46	NRSA02J-561X	MG R	560Ω 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1747	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1751	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1752	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1753	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1754	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1755	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1756	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1757-58	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1759	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1765-66	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1767	NRSA02J-474X	MG R	470kΩ 1/10W J
	R1768	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1769	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1771	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1804-06	NRSA02J-101X	MG R	100Ω 1/10W J
⚠	R1901	QRF074K-1R2	UNF R	1.2 Ω 7W K
⚠	R1921	QRX029J-2R7	MF R	2.7 Ω 2W J
	R1923	QRJ146J-470X	C R	47Ω 1/4W J
	R1924	QRN141J-334Y	C R	330kΩ 1/4W J
	R1925	QRN141J-123Y	C R	12kΩ 1/4W J
⚠	R1926	QRF154J-271	UNF R	270 Ω 15W J
⚠	R1927	QRF154J-271	UNF R	270 Ω 15W J
	R1952	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1953	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1954	QRE121J-102Y	C R	1kΩ 1/2W J
	R1955	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1956	QRE121J-101Y	C R	100Ω 1/2W J
	R1957	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1958	NRSA02J-103X	MG R	10kΩ 1/10W J
⚠	R1981	QRZ9041-275	C R	2.7MΩ 1/2W K
	CAPACITOR			
	C1001	QETN1HM-106Z	E CAP.	10μF 50V M
	C1003	QETN1AM-477Z	E CAP.	470μF 10V M
	C1004	QETN1HM-106Z	E CAP.	10μF 50V M
	C1005	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1006	QETN1EM-476Z	E CAP.	47μF 25V M
	C1011-12	NCB21HK-102X	C CAP.	1000pF 50V K
	C1101-04	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1105	QETN1CM-107Z	E CAP.	100μF 16V M
	C1106	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1107	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1108	NDC21HJ-680X	C CAP.	68pF 50V J
	C1131	QFV71HJ-154Z	MF CAP.	0.15μF 50V J
	C1132	NCB21HK-152X	C CAP.	1500pF 50V K
	C1133	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1134	NCB21HK-472X	C CAP.	4700pF 50V K
	C1135	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1138	QETN1EM-476Z	E CAP.	47μF 25V M
	C1161	QETN1CM-107Z	E CAP.	100μF 16V M
	C1162	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1163-64	NDC21HJ-470X	C CAP.	47pF 50V J
	C1166	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1167	NDC21HJ-470X	C CAP.	47pF 50V J
	C1169-70	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1205	NDC21HJ-680X	C CAP.	68pF 50V J
	C1207	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1208	QETN1HM-106Z	E CAP.	10μF 50V M
	C1209-10	QETN1HM-105Z	E CAP.	1μF 50V M
	C1212	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1214	QETN1HM-106Z	E CAP.	10μF 50V M
	C1215	QETN1HM-105Z	E CAP.	1μF 50V M
	C1217	QETN1EM-476Z	E CAP.	47μF 25V M
	C1253	QETN1HM-105Z	E CAP.	1μF 50V M
	C1254-55	QETN1HM-106Z	E CAP.	10μF 50V M
	C1256	QETN1CM-107Z	E CAP.	100μF 16V M
	C1257	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1258	QETN1CM-107Z	E CAP.	100μF 16V M
	C1259	QETN1EM-476Z	E CAP.	47μF 25V M
	C1260	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1261	QETN1EM-476Z	E CAP.	47μF 25V M
	C1263	NDC21HJ-181X	C CAP.	180pF 50V J
	C1264	QETN1EM-476Z	E CAP.	47μF 25V M
	C1265	NCB21HK-103X	C CAP.	0.01μF 50V K

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C1266	QENC1EM-106Z	BP E CAP.	10µF 25V M
	C1267	NDC21HJ-470X	C CAP.	47pF 50V J
	C1268	NDC21HJ-101X	C CAP.	100pF 50V J
	C1269	NDC21HJ-181X	C CAP.	180pF 50V J
	C1272	NDC21HJ-390X	C CAP.	39pF 50V J
	C1274	QETN1HM-105Z	E CAP.	1µF 50V M
	C1276	QETN1HM-106Z	E CAP.	10µF 50V M
	C1277	QETN1EM-476Z	E CAP.	47µF 25V M
	C1278-80	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1281	NDC21HJ-150X	C CAP.	15pF 50V J
	C1283-86	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1287	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1288-90	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1291	QETN1EM-476Z	E CAP.	47µF 25V M
	C1303	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1304	QETN1CM-107Z	E CAP.	100µF 16V M
	C1305	NDC21HJ-100X	C CAP.	10pF 50V J
	C1306	NCB21HK-223X	C CAP.	0.022µF 50V K
	C1307	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1308	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1309	NDC21HJ-2R0X	C CAP.	2.0pF 50V J
	C1352	NDC21HJ-680X	C CAP.	68pF 50V J
	C1353	NDC21HJ-271X	C CAP.	270pF 50V J
	C1356	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1374-76	NCS21HJ-561X	C CAP.	560pF 50V J
	C1377	QETN1CM-107Z	E CAP.	100µF 16V M
	C1391	QETM2EM-226	E CAP.	22µF 250V M
⚠	C1392	QCZ0121-102	C CAP.	1000pF 3kV Z
	C1401	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1402	QBHC1CK-225Z	TAN.CAP.	2.2µF 16V K
	C1403	NCB21HK-102X	C CAP.	1000pF 50V K
	C1421	NCB21HK-472X	C CAP.	4700pF 50V K
	C1424	QEHR1HM-107Z	E CAP.	100µF 50V M
	C1425	QEHR1VM-477Z	E CAP.	470µF 35V M
	C1426	QFLC2AK-473Z	M CAP.	0.047µF 100V K
	C1427	QEHQ1EM-228	E CAP.	2200µF 25V M
	C1428	QFV21HJ-474Z	MF CAP.	0.47µF 50V J
	C1429	QFV21HJ-224Z	MF CAP.	0.22µF 50V J
	C1501	QETN1CM-107Z	E CAP.	100µF 16V M
	C1502	QETN1HM-106Z	E CAP.	10µF 50V M
	C1503	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1505	QETN1HM-106Z	E CAP.	10µF 50V M
	C1511	QETN1EM-476Z	E CAP.	47µF 25V M
	C1521	NCB21HK-332X	C CAP.	3300pF 50V K
	C1522	NCB21HK-822X	C CAP.	8200pF 50V K
	C1523	QEM61HK-105Z	E CAP.	1µF 50V K
⚠	C1524	QFZ0198-133	MPP CAP.	0.013µF1.5kVH ±3%
⚠	C1525	QEZ0203-107	E CAP.	100µF 160V M
⚠	C1526	QFZ0119-434	MPP CAP.	0.43µF 200V ±3%
	C1527	QCB32HK-561Z	C CAP.	560pF 500V K
	C1543	QETN1VM-477Z	E CAP.	470µF 35V M
	C1545	QETN1CM-227Z	E CAP.	220µF 16V M
	C1546	QETN1CM-477Z	E CAP.	470µF 16V M
	C1548	QETN1CM-227Z	E CAP.	220µF 16V M
⚠	C1561	QETN1HM-106Z	E CAP.	10µF 50V M
	C1562	QETN1HM-475Z	E CAP.	4.7µF 50V M
	C1563	NCB21HK-103X	C CAP.	0.01µF 50V K
⚠	C1581	QETN2EM-106Z	E CAP.	10µF 250V M
	C1582	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1583	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1584	QFLC2AJ-104Z	M CAP.	0.1µF 100V J
	C1615	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1616	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
	C1617	QETN1EM-476Z	E CAP.	47µF 25V M
	C1618	QETN1CM-107Z	E CAP.	100µF 16V M
	C1619	QETN1CM-477Z	E CAP.	470µF 16V M
	C1620	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1621	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1622	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
	C1623	QETN1EM-476Z	E CAP.	47µF 25V M
	C1624	QETN1CM-107Z	E CAP.	100µF 16V M
	C1625	QETN1CM-477Z	E CAP.	470µF 16V M
	C1626	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1627	QETN1CM-477Z	E CAP.	470µF 16V M

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C1651	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1652	QETN1CM-107Z	E CAP.	100µF 16V M
	C1653	QETN1EM-476Z	E CAP.	47µF 25V M
	C1654	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1655	QENC1HM-475Z	BP E CAP.	4.7µF 50V M
	C1656	QENC1HM-105Z	BP E CAP.	1µF 50V M
	C1657	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1658	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1659	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1660-61	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1662	QBTC1CK-335Z	TAN.CAP.	3.3µF 16V K
	C1663	QETN1HM-105Z	E CAP.	1µF 50V M
	C1664	QBTC1CK-106Z	TAN.CAP.	10µF 16V K
	C1665-66	QETN1HM-105Z	E CAP.	1µF 50V M
	C1667	QETN1HM-336Z	E CAP.	33µF 50V M
	C1668	QETN1HM-105Z	E CAP.	1µF 50V M
	C1669-70	QENC1HM-105Z	BP E CAP.	1µF 50V M
	C1671	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1672	NCB21HK-222X	C CAP.	2200pF 50V K
	C1673	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1674	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1675	NCB21HK-222X	C CAP.	2200pF 50V K
	C1676	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1679	QETN1HM-105Z	E CAP.	1µF 50V M
	C1680	QETN1EM-476Z	E CAP.	47µF 25V M
	C1682-83	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1685-86	QETN1HM-106Z	E CAP.	10µF 50V M
	C1687-88	NCB21HK-472X	C CAP.	4700pF 50V K
	C1701	NDC21HJ-560X	C CAP.	56pF 50V J
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1705	NDC21HJ-151X	C CAP.	150pF 50V J
	C1706	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1707	QETN1HM-105Z	E CAP.	1µF 50V M
	C1708	NCS21HJ-221X	C CAP.	220pF 50V J
	C1709	NCS21HJ-102X	C CAP.	1000pF 50V J
	C1710	NDC21HJ-681X	C CAP.	680pF 50V J
	C1711	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1712	NCB21HK-102X	C CAP.	1000pF 50V K
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1716	QETN1EM-476Z	E CAP.	47µF 25V M
	C1717	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1718	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1719-20	QETN1CM-107Z	E CAP.	100µF 16V M
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1722-23	NDC21HJ-5R0X	C CAP.	5.0pF 50V J
	C1724	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1725	QETN1AM-227Z	E CAP.	220µF 10V M
	C1726	NDC21HJ-470X	C CAP.	47pF 50V J
	C1735	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1751	QETN1EM-476Z	E CAP.	47µF 25V M
	C1801-03	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
⚠	C1901	QFZ9040-104	MF CAP.	0.1µFAC275V M
⚠	C1902	QFZ9040-473	MF CAP.	0.47µFAC275V M
⚠	C1911	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1912	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1913	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1914	QEZ0429-477	E CAP.	470µF 200V M
	C1921	QEHR2CM-335Z	E CAP.	3.3µF 160V M
	C1951	QETN1EM-227Z	E CAP.	220µF 25V M
	C1953	QETN1EM-107Z	E CAP.	100µF 25V M
	C1703	NCB21HK-102X	C CAP.	1000pF 50V K
	C1954	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1956	QETN1HM-106Z	E CAP.	10µF 50V M
	C1958	QETN1EM-107Z	E CAP.	100µF 25V M
	C1959	QETN1HM-226Z	E CAP.	22µF 50V M
⚠	C1981	QCZ9074-103	C CAP.	0.01µFAC125V M
⚠	C1982	QCZ9074-103	C CAP.	0.01µFAC125V M
	TRANSFORMER			
	T1131	QQR0907-001	I.F.TRANSFOMER	
	T1161	CELT003-109J3	S.I.F.TRANSF.	
⚠	T1521	CE41106-00CJ1	DRIVE TRANSF.	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
⚠	T1901	QQT0198-001	POWER TRANSF.	

⚠	Symbol No.	Part No.	Part Name	Description
COIL				
	L1001	QQL03BJ-150Z	COIL	15µH
	L1003	QQL03BJ-5R6Z	COIL	5.6µH
	L1102	QQLZ014-R22	PEAKING COIL	
	L1104	QQL03BJ-680Z	COIL	68µH
	L1131	QQL03BJ-220Z	COIL	22µH
	L1161	QQL03BJ-680Z	COIL	68µH
	L1162	QQL03BJ-390Z	COIL	39µH
	L1201	QQL03BJ-330Z	COIL	33µH
	L1252-53	QQL29BJ-4R7Z	PEAKING COIL	
	L1255	QQL29BJ-6R8Z	PEAKING COIL	
	L1256	QQL29BJ-150Z	PEAKING COIL	
	L1271	QQL29BJ-150Z	PEAKING COIL	
	L1351	QQL29BJ-150Z	PEAKING COIL	
	L1391	QQL03BJ-390Z	COIL	39µH
	L1521	CELL004-001	LINEARITY COIL	
	L1701	QQL03BJ-4R7Z	COIL	4.7µH
	L1709	QQL03BJ-100Z	COIL	10µH
DIODE				
	D1001	MTZJ33B-T2	ZENER DIODE	
	D1002	MTZJ5.1B-T2	ZENER DIODE	
	D1003-04	MTZJ9.1C-T2	ZENER DIODE	
	D1201-03	1SS133-T2	SI.DIODE	
	D1252-54	MTZJ9.1C-T2	ZENER DIODE	
	D1421	1N4003-T2	SI.DIODE	
	D1422	MTZJ75-T2	ZENER DIODE	
	D1423	1SS133-T2	SI.DIODE	
	D1501	MTZJ9.1C-T2	ZENER DIODE	
	D1511	MTZJ3.3A-T2	ZENER DIODE	
	D1541	RGP10J-5025-T3	SI.DIODE	
	D1542	1SR35-400A-T2	SI.DIODE	
	D1543-44	RGP10J-5025-T3	SI.DIODE	
	D1561	1SS81-T2	SI.DIODE	
⚠	D1562	MA4068N/Z1/-T2	ZENER DIODE	
	D1563	1SS133-T2	SI.DIODE	
⚠	D1581	RH1S-T3	SI.DIODE	
	D1582	RGP10J-5025-T3	SI.DIODE	
	D1583	MTZJ9.1C-T2	ZENER DIODE	
	D1601-02	1SS133-T2	SI.DIODE	
	D1651-52	MTZJ9.1C-T2	ZENER DIODE	
	D1659-60	MTZJ9.1C-T2	ZENER DIODE	
	D1704-07	1SS133-T2	SI.DIODE	
	D1711	1SS133-T2	SI.DIODE	
	D1717-18	MTZJ9.1C-T2	ZENER DIODE	
	D1751	SLR-342VR3F	L.E.D.	
	D1804	MTZJ5.1B-T2	ZENER DIODE	
	D1805	1SS133-T2	SI.DIODE	
⚠	D1911	D3SB60	BRIDGE DIODE	
	D1941-44	1SR35-400A-T2	SI.DIODE	
	D1951	MTZJ12C-T2	ZENER DIODE	
	D1953	1SR35-400A-T2	SI.DIODE	
	D1957-58	1SS133-T2	SI.DIODE	
TRANSISTOR				
	Q1101	2SC5083/L-P/-T	SI.TRANSISTOR	
	Q1131-32	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1161	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1201-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1261-62	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1263-64	DTC124EKA-X	DIGI.TRANSISTOR	
	Q1271	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1273-74	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1276	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1278-79	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1280	2SA1037AK/QR/-X	SI.TRANSISTOR	
	Q1282	2SA1037AK/QR/-X	SI.TRANSISTOR	
	Q1351	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1361	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1371-73	2SC4544-LB	SI.TRANSISTOR	
	Q1521	2SC2655/Y/-T	SI.TRANSISTOR	
⚠	Q1522	2SD2499-LB	SI.TRANSISTOR	H.OUT
	Q1561	2SC2785/JH/-T	SI.TRANSISTOR	
	Q1562	2SA933AS/QR/-T	SI.TRANSISTOR	
	Q1602	DTC323TK-X	DIGI.TRANSISTOR	
	Q1651-54	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1655	2SA1037AK/QR/-X	SI.TRANSISTOR	
	Q1701-03	2SC2412K/QR/-X	SI.TRANSISTOR	

⚠	Symbol No.	Part No.	Part Name	Description
TRANSISTOR				
	Q1704	DTC323TK-X	DIGI.TRANSISTOR	
	Q1951	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1952	2SA966/OY/-T	SI.TRANSISTOR	
	Q1953	2SC2412K/QR/-X	SI.TRANSISTOR	
IC				
	IC1201	TA1242N	I.C.(MONO-ANA)	
	IC1251	BA7612N	I.C.(MONO-ANA)	
	IC1252	TC90A45P	I.C.(DIGI-MOS)	
	IC1253	AN78L05-T	I.C.(MONO-ANA)	
	IC1271	TC4066BP/N/	I.C.(DIGI-MOS)	
⚠	IC1421	LA7832	I.C.(MONO-ANA)	
	IC1541	AN7809F	I.C.(MONO-ANA)	
⚠	IC1602	LA4446	I.C.(MONO-ANA)	
	IC1651	UPC1851BCU	I.C.(MONO-ANA)	
	IC1652	BA15218N	I.C.(MONO-ANA)	
	IC1701	M37272MA-050SP	IC	
	IC1702	AT24C02-C20110	I.C.	(SERVICE)
	IC1703	L78LR05E-MA	I.C.(MONO-ANA)	
	IC1751	GP1U281Q	IFR DETECT UNIT	
⚠	IC1921	STR30134	I.C.(H)	
	IC1951	TA78L009AP-T	I.C.(MONO-ANA)	
OTHERS				
		LC30190-001B-A	LED HOLDER	
	CF1001	QAX0349-001	CERAMIC FILTER	
	CF1131	CE41505-001	CERAMIC FILTER	
	CF1161	SFSH4.5MCB	CERAMIC FILTER	
	CF1501	CSB503F30-T2	CER.RESONATOR	
	CF1701	CST8.00MTW	CER.RESONATOR	
	CF1702	QAX0428-001	CER.RESONATOR	
	CL1001	QZW0028-002	WIRE CLAMP	
	CL1002-03	QZW0028-001	WIRE CLAMP	
⚠	CN10PW	QMPD200-200-JC	POWER CORD	(Charcoal type)
⚠	F1901	QMF0007-6R3J1	FUSE	6.3A
⚠	F1902	QMF0007-1R25J1	FUSE	1.25A
	FC1901	CEMG002-001Z	FUSE CLIP	(×2)
	FC1902	CEMG002-001Z	FUSE CLIP	(×4)
⚠	FR1720	QRZ9017-820	F R	82 Ω 1/4W J
	J1003	QNZ0117-001	PIN JACK	
	J1004	QNN0181-001	PIN JACK	
	K1251	CE41433-001Z	BEADS CORE	
	K1252	QQR0582-001Z	BEADS CORE	
	K1253	CE41433-001Z	BEADS CORE	
	K1701	QQR0582-001Z	BEADS CORE	
⚠	LF1901	QQR0864-002	LINE FILTER	
⚠	RY1901	QSK0083-001	RELAY	
	S1751	QSW0619-003Z	PUSH SWITCH	MENU
	S1752	QSW0619-003Z	PUSH SWITCH	CH-
	S1753	QSW0619-003Z	PUSH SWITCH	CH+
	S1754	QSW0619-003Z	PUSH SWITCH	VOL-
	S1755	QSW0619-003Z	PUSH SWITCH	VOL+
⚠	S1756	QSW0619-003Z	PUSH SWITCH	POWER
	SF1101	CE42589-201	SAW FILTER	
	SK1371	CE42535-001J1	C.R.T.SOCKET	
⚠	TH1901	CEKP007-002	P.THERMISTOR	
⚠	TU1001	QAU0069-001	TUNER	
⚠	VA1901	ERZV10V361CS	VARISTOR	
	W1019	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1053-54	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1061-64	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1066-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1071-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1082-83	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1109	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1117	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1121	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1184-86	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1245-47	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1304-12	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1323-24	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1326	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1332	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	X1301	QAX0310-001Z	CRYSTAL	
	Y1170-71	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	Y1541	NRSA02J-0R0X	MG R	0.0Ω 1/10W J

AV-27120A (USA/CA)

PACKING PARTS LIST

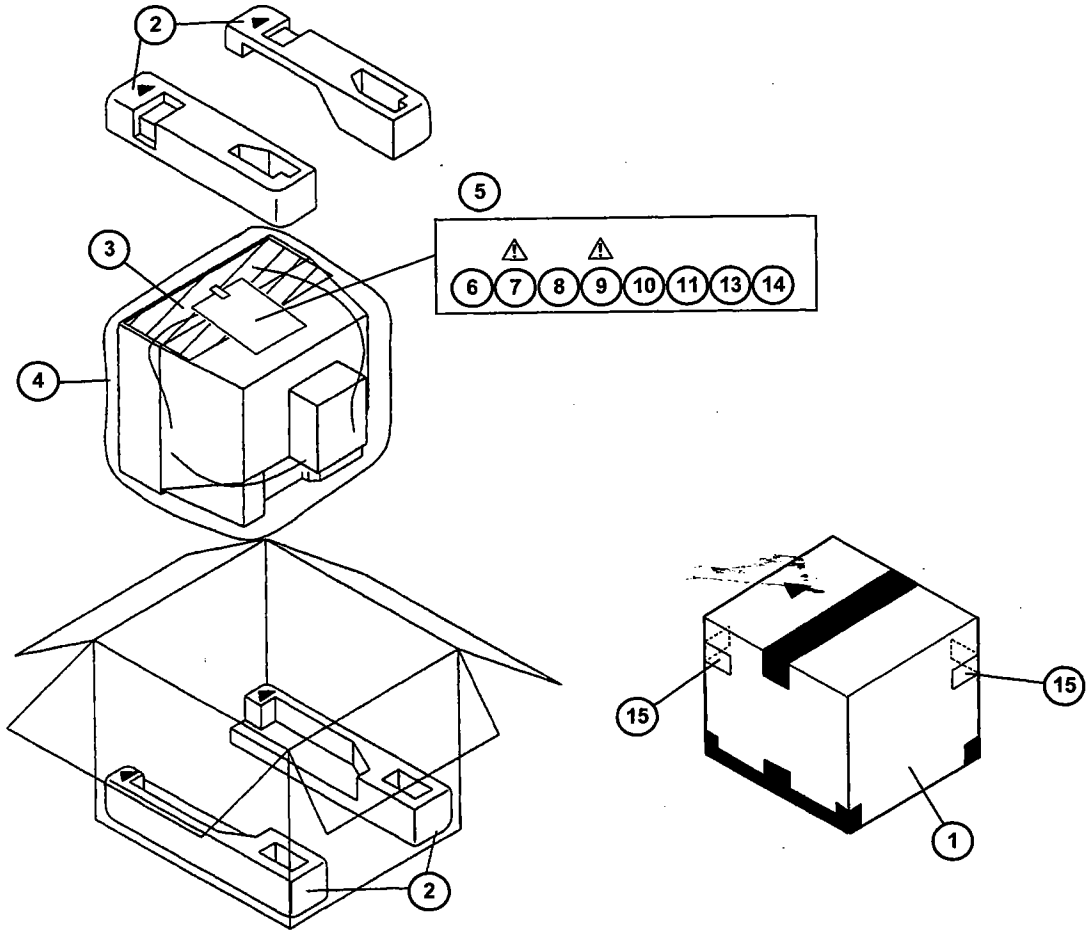
[AV-27120(US&CA)]

⚠	Ref.No.	Part No.	Part Name	Description
[America model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C381-1A	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
	8	BT-51006-1Q	REGI.CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	15	CM36616-001-A	CORNER LABEL	2pcs in 1set
[Canada model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C381-1A	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
⚠	9	LCT0606-001A-A	INST.BOOK	[FRENCH]
	10	BT-20071B-Q	SVC CENTER LIST	
	11	BT-52004-1Q	WARRANTY CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	14	LCT0607-001A-A	SET-UP GUIDE	[FRENCH]
	15	CM36616-A02-A	CORNER LABEL	2pcs in 1set

[AV-27120(A US&A CA)]

⚠	Ref.No.	Part No.	Part Name	Description
[America model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C381-1A	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
	8	BT-51006-1Q	REGI.CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	15	CM36616-001-A	CORNER LABEL	2pcs in 1set
[Canada model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C381-1A	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
⚠	9	LCT0606-001A-A	INST.BOOK	[FRENCH]
	10	BT-20071B-Q	SVC CENTER LIST	
	11	BT-52004-1Q	WARRANTY CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	14	LCT0607-001A-A	SET-UP GUIDE	[FRENCH]
	15	CM36616-A02-A	CORNER LABEL	2pcs in 1set

PACKING



REMOTE CONTROL UNIT PARTS LIST (RM-C381-1A)

⚠ Ref.No.	Part No.	Part Name	Description
[AV-27120(US&CA) / AV-27120(A US&A CA)]			
	UR52EC1286A	BATTERY COVER	(RM-C381-1A)

[AV-27115(US&CA)] / [AV-27115(A US&A CA)]

EXPLODED VIEW PARTS LIST

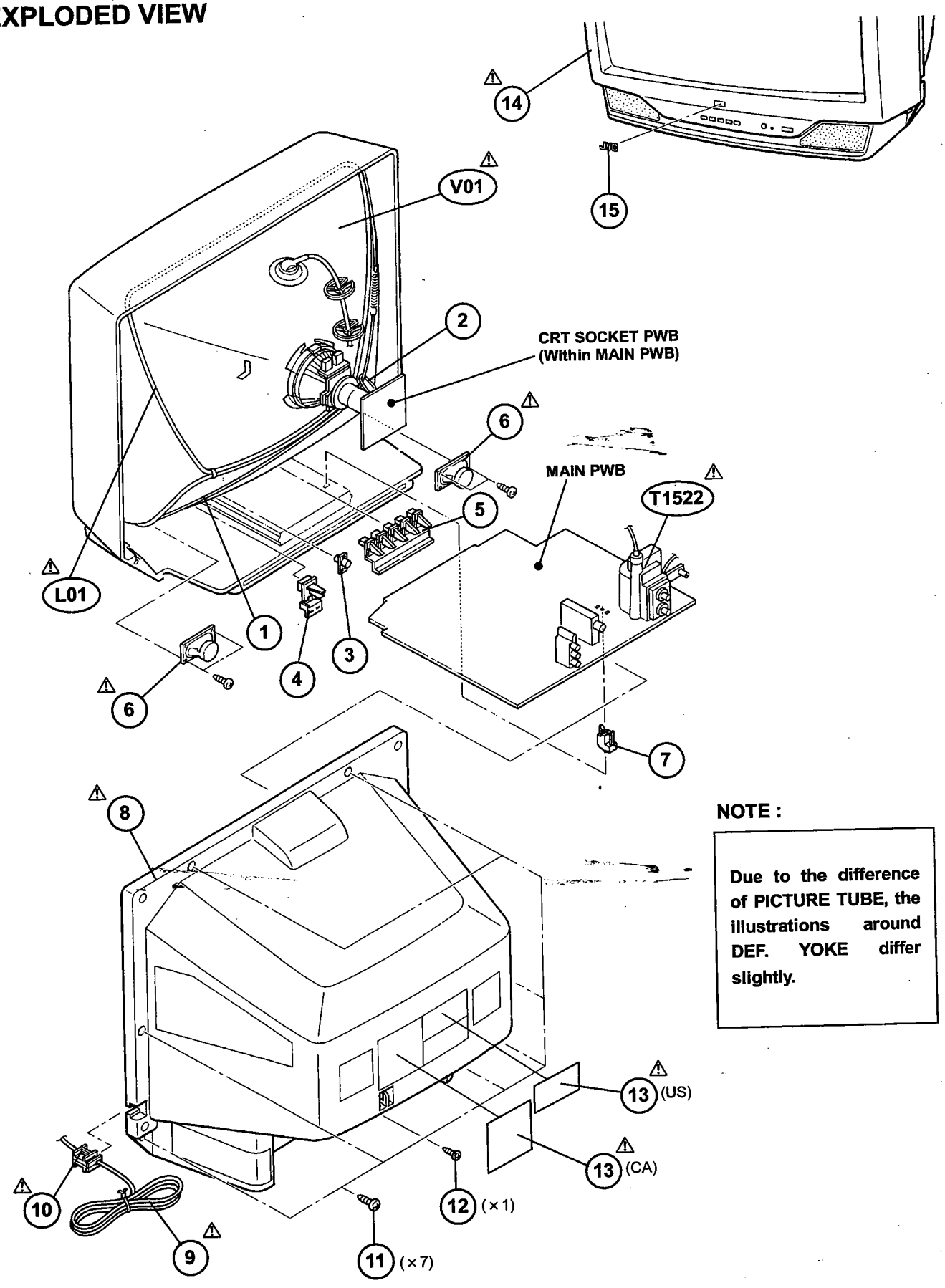
[AV-27115(US&CA)]

⚠	Ref.No.	Part No.	Part Name	Description
⚠	V01	A68ADT25X01	ITC TUBE(C)	Inc.DY
⚠	L01	CE41329-00DJB	DEG COIL	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
	1	CHGB0015-0B	BRAIDED WIRE	
	2	CHGB0016-0C	BRAIDED WIRE	
	3	LC30191-001C-A	REMOCON LENS	
	4	LC30376-001A-A	POWER KNOB	
	5	LC30271-001A-A	PUSH KNOB	
⚠	6	CEBSS09D-03KJ2	SPEAKER	(×2)SP01,SP02
	7	CM48144-001-A	PB STOPPER	
⚠	8	LC10082-002A-A	REAR COVER	
⚠	9	QMPD200-200-JC	POWER CORD	CN10PW Within MAIN PWB
⚠	10	LC20106-001D-A	CORD CLAMP	
	11	QYSBSFG4016Z	TAPPING SCREW	(×7)
	12	QYSBSB3010Z	TAPPING SCREW	(×1)
⚠	13	CM23034-001-A	RATING LABEL	(AV-27115(US))
⚠	13	CM22999-A01-A	RATING LABEL	(AV-27115(CA))
⚠	14	LC10081-002A-A	FRONT CABINET	
	15	CM48006-006-C	JVC MARK	

[AV-27115(A US&A CA)]

⚠	Ref.No.	Part No.	Part Name	Description
⚠	V01	A68QDN891X001	PICTURE TUBE	Inc.DY, PC, WED.
⚠	L01	CE41329-00DJB	DEG COIL	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
	1	CHGB0015-0B	BRAIDED WIRE	
	2	CHGB0016-0C	BRAIDED WIRE	
	3	LC30191-001C-A	REMOCON LENS	
	4	LC30376-001A-A	POWER KNOB	
	5	LC30271-001A-A	PUSH KNOB	
⚠	6	CEBSS09D-03KJ2	SPEAKER	(×2)SP01,SP02
	7	CM48144-001-A	PB STOPPER	
⚠	8	LC10082-002A-A	REAR COVER	
⚠	9	QMPD200-200-JC	POWER CORD	CN10PW Within MAIN PWB
⚠	10	LC20106-001D-A	CORD CLAMP	
	11	QYSBSFG4016Z	TAPPING SCREW	(×7)
	12	QYSBSB3010Z	TAPPING SCREW	(×1)
⚠	13	CM23034-001-A	RATING LABEL	(AV-27115(A US))
⚠	13	CM22999-A01-A	RATING LABEL	(AV-27115(A CA))
⚠	14	LC10081-002A-A	FRONT CABINET	
	15	CM48006-006-C	JVC MARK	

EXPLODED VIEW



NOTE :

Due to the difference of PICTURE TUBE, the illustrations around DEF. YOKE differ slightly.

-27115(US&CA)

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1032A-M2)

⚠ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R1001	QRE121J-5R6Y	C R	5.6Ω 1/2W J
R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1005	QRG01GJ-121	OM R	120Ω 1W J
R1101	NRSA02J-820X	MG R	82Ω 1/10W J
R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J
R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1104	QRE121J-101Y	C R	100Ω 1/2W J
R1105	NRSA02J-180X	MG R	18Ω 1/10W J
R1106	NRSA02J-270X	MG R	27Ω 1/10W J
R1131	NRSA02J-271X	MG R	270Ω 1/10W J
R1133	NRSA02J-101X	MG R	100Ω 1/10W J
R1134	NRSA02J-102X	MG R	1kΩ 1/10W J
R1135	NRSA02J-561X	MG R	560Ω 1/10W J
R1136	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1137	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1138	NRSA02J-821X	MG R	820Ω 1/10W J
R1139	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1142	NRSA02J-101X	MG R	100Ω 1/10W J
R1145	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1146	NRSA02J-273X	MG R	27kΩ 1/10W J
R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J
R1163	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1164	NRSA02J-332X	MG R	3.3kΩ 1/10W J
R1165	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1203	NRSA02J-102X	MG R	1kΩ 1/10W J
R1204	NRSA02J-681X	MG R	680Ω 1/10W J
R1205	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1207	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1208	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1209	NRSA02J-471X	MG R	470Ω 1/10W J
R1210	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1211	NRSA02J-471X	MG R	470Ω 1/10W J
R1212	NRSA02J-103X	MG R	10kΩ 1/10W J
R1213	NRSA02J-391X	MG R	390Ω 1/10W J
R1215	NRSA02J-334X	MG R	330kΩ 1/10W J
R1216	NRSA02J-563X	MG R	56kΩ 1/10W J
R1218	NRSA02J-182X	MG R	1.8kΩ 1/10W J
R1219	NRSA02J-122X	MG R	1.2kΩ 1/10W J
R1220	NRSA02J-561X	MG R	560Ω 1/10W J
R1222	NRSA02J-102X	MG R	1kΩ 1/10W J
R1251	NRSA02J-750X	MG R	75Ω 1/10W J
R1264	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1265	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1266	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1267	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1271-72	NRSA02J-102X	MG R	1kΩ 1/10W J
R1278	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1290	NRSA02J-563X	MG R	56kΩ 1/10W J
R1291	NRSA02J-473X	MG R	47kΩ 1/10W J
R1298-99	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1305	NRSA02J-393X	MG R	39kΩ 1/10W J
R1306	NRSA02J-183X	MG R	18kΩ 1/10W J
R1351	NRSA02J-331X	MG R	330Ω 1/10W J
R1352	NRSA02J-151X	MG R	150Ω 1/10W J
R1365	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1366	NRSA02J-563X	MG R	56kΩ 1/10W J
R1367	NRSA02J-333X	MG R	33kΩ 1/10W J
R1371-73	NRSA02J-151X	MG R	150Ω 1/10W J
R1374-76	NRSA02J-331X	MG R	330Ω 1/10W J
R1377-79	NRSA02J-101X	MG R	100Ω 1/10W J
R1380-82	QRZ0111-152	C R	1.5kΩ 1/2W K
R1383-85	QRL029J-153	OM R	15kΩ 2W J
R1386-88	NRSA02J-272X	MG R	2.7kΩ 1/10W J
R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J
R1422	QRE121J-561Y	C R	560Ω 1/2W J
R1423	QRX01GJ-1R0	MF R	1.0Ω 1W J

⚠ Symbol No.	Part No.	Part Name	Description
RESISTOR			
R1424	QRE121J-102Y	C R	1kΩ 1/2W J
R1425	NRSA02J-683X	MG R	68kΩ 1/10W J
R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1428	NRSA02J-393X	MG R	39kΩ 1/10W J
R1429	NRSA02J-223X	MG R	22kΩ 1/10W J
R1430-31	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1433	QRE121J-100Y	C R	10Ω 1/2W J
R1441	QRE121J-102Y	C R	1kΩ 1/2W J
R1501	NRSA02J-361X	MG R	360Ω 1/10W J
R1502	NRSA02J-152X	MG R	1.5kΩ 1/10W J
R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J
R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J
R1507	NRSA02J-563X	MG R	56kΩ 1/10W J
R1511	QRE121J-391Y	C R	390Ω 1/2W J
R1522	NRSA02J-391X	MG R	390Ω 1/10W J
R1523	NRSA02J-471X	MG R	470Ω 1/10W J
R1524	QRE121J-271Y	C R	270Ω 1/2W J
R1525	QRG01GJ-220	OM R	22Ω 1W J
R1526	QRL039J-152	OM R	1.5kΩ 3W J
R1541	QRT029J-1R8	MF R	1.8Ω 2W J
R1542	QRL029J-101	OM R	100Ω 2W J
R1543	QRT039J-1R0	MF R	1.0Ω 3W J
R1544	QRT039J-1R0	MF R	1.0Ω 3W J
R1546	QRL029J-220	OM R	22Ω 2W J
R1561	QRK126J-4R7X	C R	4.7Ω 1/2W J
⚠ R1562	NRZ0032-7151X	MF R	7.15kΩ 1/10W J
⚠ R1563	NRZ0032-2941X	MF R	2.94kΩ 1/10W J
R1564	NRSA02J-153X	MG R	15kΩ 1/10W J
R1565	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1566	NRSA02J-333X	MG R	33kΩ 1/10W J
R1567	NRSA02J-392X	MG R	3.9kΩ 1/10W J
R1568	NRSA02J-223X	MG R	22kΩ 1/10W J
R1571	QRX01GJ-1R5	MF R	1.5Ω 1W J
R1581	QRJ146J-2R2X	C R	2.2Ω 1/4W J
R1582	QRL029J-223	OM R	22kΩ 2W J
R1583	QRE121J-333Y	C R	33kΩ 1/2W J
R1584	QRE121J-393Y	C R	39kΩ 1/2W J
R1585	QRE121J-103Y	C R	10kΩ 1/2W J
R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J
R1615-16	NRSA02J-123X	MG R	12kΩ 1/10W J
R1617-18	NRSA02J-332X	MG R	3.3kΩ 1/10W J
R1619-20	NRSA02J-391X	MG R	390Ω 1/10W J
R1621-22	QRE121J-4R7Y	C R	4.7Ω 1/2W J
R1623	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1625	NRSA02J-333X	MG R	33kΩ 1/10W J
R1627	NRSA02J-101X	MG R	100Ω 1/10W J
R1651	NRSA02J-102X	MG R	1kΩ 1/10W J
R1652-53	NRSA02J-682X	MG R	6.8kΩ 1/10W J
R1654	NRSA02J-333X	MG R	33kΩ 1/10W J
R1655	NRSA02J-332X	MG R	3.3kΩ 1/10W J
R1656	NRVA02D-152X	MF R	1.5kΩ 1/10W D
R1658	NRVA02D-153X	MF R	15kΩ 1/10W D
R1660	NRSA02J-512X	MG R	5.1kΩ 1/10W J
R1671-72	NRSA02J-102X	MG R	1kΩ 1/10W J
R1677	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1682	NRSA02J-683X	MG R	68kΩ 1/10W J
R1683-84	NRSA02J-561X	MG R	560Ω 1/10W J
R1701	NRSA02J-563X	MG R	56kΩ 1/10W J
R1702-04	NRSA02J-103X	MG R	10kΩ 1/10W J
R1705	NRSA02J-823X	MG R	82kΩ 1/10W J
R1706	NRSA02J-103X	MG R	10kΩ 1/10W J
R1707	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1708-09	NRSA02J-103X	MG R	10kΩ 1/10W J
R1710	NRSA02J-102X	MG R	1kΩ 1/10W J
R1712	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
R1713	NRSA02J-102X	MG R	1kΩ 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1714	NRSA02J-471X	MG R	470Ω 1/10W J
	R1715	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1716	NRSA02J-154X	MG R	150kΩ 1/10W J
	R1717	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1719	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1721-22	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1723	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1725	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1726	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1727	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1728	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1729	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1730	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1732	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1733	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1734	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1735	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1736	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1737	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1738	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1739	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1740	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1741	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1742	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1743-44	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1745-46	NRSA02J-561X	MG R	560Ω 1/10W J
	R1747	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1751	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1752	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1753	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1754	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1755	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1756	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1757-58	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1759	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1765-66	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1767	NRSA02J-474X	MG R	470kΩ 1/10W J
	R1768	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1769	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1771	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1804-06	NRSA02J-101X	MG R	100Ω 1/10W J
⚠	R1901	QRF074K-1R2	UNF R	1.2 Ω 7W K
⚠	R1921	QRX029J-2R7	MF R	2.7 Ω 2W J
	R1923	QRJ146J-470X	C R	47Ω 1/4W J
	R1924	QRN141J-334Y	C R	330kΩ 1/4W J
	R1925	QRN141J-123Y	C R	12kΩ 1/4W J
⚠	R1926	QRF154J-271	UNF R	270 Ω 15W J
⚠	R1927	QRF154J-271	UNF R	270 Ω 15W J
	R1952	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1953	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1954	QRE121J-102Y	C R	1kΩ 1/2W J
	R1955	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1956	QRE121J-101Y	C R	100Ω 1/2W J
	R1957	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1958	NRSA02J-103X	MG R	10kΩ 1/10W J
⚠	R1981	QRZ9041-275	C R	2.7MΩ 1/2W K
	CAPACITOR			
	C1001	QETN1HM-106Z	E CAP.	10μF 50V M
	C1003	QETN1AM-477Z	E CAP.	470μF 10V M
	C1004	QETN1HM-106Z	E CAP.	10μF 50V M
	C1005	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1006	QETN1CM-476Z	E CAP.	47μF 16V M
	C1011-12	NCB21HK-102X	C CAP.	1000pF 50V K
	C1101-04	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1105	QETN1CM-107Z	E CAP.	100μF 16V M
	C1106	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1107	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1108	NDC21HJ-680X	C CAP.	68pF 50V J
	C1131	QFV71HJ-154Z	MF CAP.	0.15μF 50V J
	C1132	NCB21HK-152X	C CAP.	1500pF 50V K
	C1133	QETN1HM-474Z	E CAP.	0.47μF 50V M

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C1134	NCB21HK-472X	C CAP.	4700pF 50V K
	C1135	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1138	QETN1CM-476Z	E CAP.	47μF 16V M
	C1161	QETN1CM-107Z	E CAP.	100μF 16V M
	C1162	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1163-64	NDC21HJ-470X	C CAP.	47pF 50V J
	C1166	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1167	NDC21HJ-470X	C CAP.	47pF 50V J
	C1169-70	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1205	NDC21HJ-680X	C CAP.	68pF 50V J
	C1207	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1208	QETN1HM-106Z	E CAP.	10μF 50V M
	C1209-10	QETN1HM-105Z	E CAP.	1μF 50V M
	C1212	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1214	QETN1HM-106Z	E CAP.	10μF 50V M
	C1215	QETN1HM-105Z	E CAP.	1μF 50V M
	C1217	QETN1CM-476Z	E CAP.	47μF 16V M
	C1254-55	QETN1HM-106Z	E CAP.	10μF 50V M
	C1256	QETN1CM-107Z	E CAP.	100μF 16V M
	C1274	QETN1HM-105Z	E CAP.	1μF 50V M
	C1303	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1304	QETN1CM-107Z	E CAP.	100μF 16V M
	C1305	NDC21HJ-100X	C CAP.	10pF 50V J
	C1306	NCB21HK-223X	C CAP.	0.022μF 50V K
	C1307	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1309	NDC21HJ-2R0X	C CAP.	2.0pF 50V J
	C1355	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1356	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1374-76	NCS21HJ-561X	C CAP.	560pF 50V J
	C1377	QETN1CM-107Z	E CAP.	100μF 16V M
	C1391	QETM2EM-226	E CAP.	22μF 250V M
⚠	C1392	QCZ0121-102	C CAP.	1000pF 3kV Z
	C1401	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C1402	QBHC1CK-225Z	TAN.CAP.	2.2μF 16V K
	C1403	NCB21HK-102X	C CAP.	1000pF 50V K
	C1421	NCB21HK-472X	C CAP.	4700pF 50V K
	C1424	QEHR1HM-107Z	E CAP.	100μF 50V M
	C1425	QEHR1VM-477Z	E CAP.	470μF 35V M
	C1426	QFLC2AK-473Z	M CAP.	0.047μF 100V K
	C1427	QEHQ1EM-228	E CAP.	2200μF 25V M
	C1428	QFV21HJ-474Z	MF CAP.	0.47μF 50V J
	C1429	QFV21HJ-224Z	MF CAP.	0.22μF 50V J
	C1501	QETN1CM-107Z	E CAP.	100μF 16V M
	C1502	QETN1HM-106Z	E CAP.	10μF 50V M
	C1503	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1505	QETN1HM-106Z	E CAP.	10μF 50V M
	C1511	QETN1CM-476Z	E CAP.	47μF 16V M
	C1521	NCB21HK-332X	C CAP.	3300pF 50V K
	C1522	NCB21HK-822X	C CAP.	8200pF 50V K
	C1523	QEM61HK-105Z	E CAP.	1μF 50V K
⚠	C1524	QFZ0117-1252	MPP CAP.	12500pF1.4kVH±2.5%
⚠	C1525	QEZ0203-107	E CAP.	100μF 160V M
⚠	C1526	QFZ0119-434	MPP CAP.	0.43μF 200V ±3%
	C1527	QCB32HK-561Z	C CAP.	560pF 500V K
	C1543	QETN1VM-477Z	E CAP.	470μF 35V M
	C1545	QETN1CM-227Z	E CAP.	220μF 16V M
	C1546	QETN1CM-477Z	E CAP.	470μF 16V M
	C1548	QETN1CM-227Z	E CAP.	220μF 16V M
⚠	C1561	QETN1HM-106Z	E CAP.	10μF 50V M
	C1562	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C1563	NCB21HK-103X	C CAP.	0.01μF 50V K
⚠	C1581	QETN2EM-106Z	E CAP.	10μF 250V M
	C1582	NCB21HK-473X	C CAP.	0.047μF 50V K
	C1583	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C1584	QFLC2AJ-104Z	M CAP.	0.1μF 100V J
	C1615	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1616	QENC1HM-474Z	BP E CAP.	0.47μF 50V M
	C1617	QETN1CM-476Z	E CAP.	47μF 16V M
	C1618	QETN1CM-107Z	E CAP.	100μF 16V M
	C1619	QETN1CM-477Z	E CAP.	470μF 16V M
	C1620	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1621	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1622	QENC1HM-474Z	BP E CAP.	0.47μF 50V M
	C1623	QETN1CM-476Z	E CAP.	47μF 16V M

⚠	Symbol No.	Part No.	Part Name	Description
CAPACITOR				
	C1624	QETN1CM-107Z	E CAP.	100µF 16V M
	C1625	QETN1CM-477Z	E CAP.	470µF 16V M
	C1626	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1627	QETN1CM-477Z	E CAP.	470µF 16V M
	C1651	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1652	QETN1CM-107Z	E CAP.	100µF 16V M
	C1653	QETN1CM-476Z	E CAP.	47µF 16V M
	C1654	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1655	QENC1HM-475Z	BP E CAP.	4.7µF 50V M
	C1656	QENC1HM-105Z	BP E CAP.	1µF 50V M
	C1657	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1658	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1659	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1660-61	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1662	QBTC1CK-335Z	TAN.CAP.	3.3µF 16V K
	C1663	QETN1HM-105Z	E CAP.	1µF 50V M
	C1664	QBTC1CK-106Z	TAN.CAP.	10µF 16V K
	C1665-66	QETN1HM-105Z	E CAP.	1µF 50V M
	C1667	QETN1HM-336Z	E CAP.	33µF 50V M
	C1668	QETN1HM-105Z	E CAP.	1µF 50V M
	C1671	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1672	NCB21HK-222X	C CAP.	2200pF 50V K
	C1673	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1674	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1675	NCB21HK-222X	C CAP.	2200pF 50V K
	C1676	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1679	QETN1HM-105Z	E CAP.	1µF 50V M
	C1685-86	QETN1HM-106Z	E CAP.	10µF 50V M
	C1687-88	NCB21HK-472X	C CAP.	4700pF 50V K
	C1701	NDC21HJ-560X	C CAP.	56pF 50V J
	C1703	NCB21HK-102X	C CAP.	1000pF 50V K
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1705	NDC21HJ-151X	C CAP.	150pF 50V J
	C1706	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1707	QETN1HM-105Z	E CAP.	1µF 50V M
	C1708	NCS21HJ-221X	C CAP.	220pF 50V J
	C1709	NCS21HJ-102X	C CAP.	1000pF 50V J
	C1710	NDC21HJ-681X	C CAP.	680pF 50V J
	C1711	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1712	NCB21HK-102X	C CAP.	1000pF 50V K
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1716	QETN1CM-476Z	E CAP.	47µF 16V M
	C1717	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1718	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1719-20	QETN1CM-107Z	E CAP.	100µF 16V M
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1722-23	NDC21HJ-5R0X	C CAP.	5.0pF 50V J
	C1724	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1725	QETN1AM-227Z	E CAP.	220µF 10V M
	C1726	NDC21HJ-470X	C CAP.	47pF 50V J
	C1735	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1751	QETN1CM-476Z	E CAP.	47µF 16V M
	C1801-03	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
⚠	C1901	QFZ9040-104	MF CAP.	0.1µFAC275V M
⚠	C1902	QFZ9040-473	MF CAP.	0.47µFAC275V M
⚠	C1911	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1912	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1913	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1914	QEZ0429-477	E CAP.	470µF 200V M
	C1921	QEHR2CM-335Z	E CAP.	3.3µF 160V M
	C1951	QETN1EM-227Z	E CAP.	220µF 25V M
	C1953	QETN1EM-107Z	E CAP.	100µF 25V M
	C1954	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1956	QETN1HM-106Z	E CAP.	10µF 50V M
	C1958	QETN1EM-107Z	E CAP.	100µF 25V M
	C1959	QETN1HM-226Z	E CAP.	22µF 50V M
⚠	C1981	QCZ9074-103	C CAP.	0.01µFAC125V M
⚠	C1982	QCZ9074-103	C CAP.	0.01µFAC125V M
TRANSFORMER				
	T1131	QQR0907-001	I.F.TRANSFOMER	
	T1161	CELT003-109J3	S.I.F.TRANSF.	
⚠	T1521	CE41106-00CJ1	DRIVE TRANSF.	
⚠	T1522	QQH0028-001	H.V.TRANSF.	
⚠	T1901	QQT0198-001	POWER TRANSF.	
COIL				
	L1001	QQL03BJ-150Z	COIL	15µH
	L1003	QQL03BJ-5R6Z	COIL	5.6µH
	L1102	QQLZ014-R22	PEAKING COIL	
	L1104	QQL03BJ-680Z	COIL	68µH
	L1131	QQL03BJ-220Z	COIL	22µH
	L1161	QQL03BJ-680Z	COIL	68µH
	L1162	QQL03BJ-390Z	COIL	39µH
	L1201	QQL03BJ-330Z	COIL	33µH
	L1391	QQL03BJ-390Z	COIL	39µH
	L1521	CELL004-001	LINEARITY COIL	
	L1701	QQL03BJ-4R7Z	COIL	4.7µH
	L1709	QQL03BJ-100Z	COIL	10µH
DIODE				
	D1001	MTZJ33B-T2	ZENER DIODE	
	D1002	MTZJ5.1B-T2	ZENER DIODE	
	D1003-04	MTZJ9.1C-T2	ZENER DIODE	
	D1201-03	1SS133-T2	SI.DIODE	
	D1254	MTZJ9.1C-T2	ZENER DIODE	
	D1421	1N4003-T2	SI.DIODE	
	D1422	MTZJ75-T2	ZENER DIODE	
	D1423	1SS133-T2	SI.DIODE	
	D1501	MTZJ9.1C-T2	ZENER DIODE	
	D1511	MTZJ3.3A-T2	ZENER DIODE	
	D1541	RGP10J-5025-T3	SI.DIODE	
	D1542	1SR35-400A-T2	SI.DIODE	
	D1543-44	RGP10J-5025-T3	SI.DIODE	
	D1561	1SS81-T2	SI.DIODE	
⚠	D1562	MA4068N/Z1/-T2	ZENER DIODE	
	D1563	1SS133-T2	SI.DIODE	
⚠	D1581	RH1S-T3	SI.DIODE	
	D1582	RGP10J-5025-T3	SI.DIODE	
	D1583	MTZJ9.1C-T2	ZENER DIODE	
	D1601-02	1SS133-T2	SI.DIODE	
	D1651-52	MTZJ9.1C-T2	ZENER DIODE	
	D1659-60	MTZJ9.1C-T2	ZENER DIODE	
	D1704-07	1SS133-T2	SI.DIODE	
	D1711	1SS133-T2	SI.DIODE	
	D1717-18	MTZJ9.1C-T2	ZENER DIODE	
	D1751	SLR-342VR3F	L.E.D.	
	D1804	MTZJ5.1B-T2	ZENER DIODE	
	D1805	1SS133-T2	SI.DIODE	
⚠	D1911	D3SB60	BRIDGE DIODE	
	D1941-44	1SR35-400A-T2	SI.DIODE	
	D1951	MTZJ12C-T2	ZENER DIODE	
	D1953	1SR35-400A-T2	SI.DIODE	
	D1957-58	1SS133-T2	SI.DIODE	
TRANSISTOR				
	Q1101	2SC5083/L-R/-T	SI.TRANSISTOR	
	Q1131-32	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1161	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1201-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1261	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1271	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1361	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1371-73	2SC4544-LB	SI.TRANSISTOR	
	Q1521	2SC2655/Y/-T	SI.TRANSISTOR	
⚠	Q1522	2SD2499-LB	SI.TRANSISTOR	H.OUT
	Q1561	2SC2785/JH/-T	SI.TRANSISTOR	
	Q1562	2SA933AS/QR/-T	SI.TRANSISTOR	
	Q1602	DTC323TK-X	DIGI.TRANSISTOR	
	Q1701-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1704	DTC323TK-X	DIGI.TRANSISTOR	
	Q1951	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1952	2SA966/OY/-T	SI.TRANSISTOR	
	Q1953	2SC2412K/QR/-X	SI.TRANSISTOR	
IC				
	IC1201	TA1242N	I.C.(MONO-ANA)	
	IC1251	BA7612N	I.C.(MONO-ANA)	
⚠	IC1421	LA7832	I.C.(MONO-ANA)	
	IC1541	AN7809F	I.C.(MONO-ANA)	
⚠	IC1602	LA4446	I.C.(MONO-ANA)	
	IC1651	UPC1851BCU	I.C.(MONO-ANA)	
	IC1701	M37272MA-050SP	IC	

⚠	Symbol No.	Part No.	Part Name	Description
	IC			
	IC1702	AT24C02-C20110	I.C.	(SERVICE)
	IC1703	L78LR05E-MA	I.C.(MONO-ANA)	
	IC1751	GP1U281Q	IFR DETECT UNIT	
⚠	IC1921	STR30134	I.C.(H)	
	IC1951	TA78L009AP-T	I.C.(MONO-ANA)	
	OTHERS			
		LC30190-001B-A	LED HOLDER	
	CF1001	QAX0349-001	CERAMIC FILTER	
	CF1131	CE41505-001	CERAMIC FILTER	
	CF1161	SFSH4.5MCB	CERAMIC FILTER	
	CF1501	CSB503F30-T2	CER.RESONATOR	
	CF1701	CST8.00MTW	CER.RESONATOR	
	CF1702	QAX0428-001	CER.RESONATOR	
	CL1001	QZW0028-002	WIRE CLAMP	
	CL1002-03	QZW0028-001	WIRE CLAMP	
⚠	CN10PW	QMPD200-200-JC	POWER CORD	(Charcoal type)
⚠	F1901	QMF0007-6R3J1	FUSE	6.3A
⚠	F1902	QMF0007-1R25J1	FUSE	1.25A
	FC1901	CEMG002-001Z	FUSE CLIP	(×2)
	FC1902	CEMG002-001Z	FUSE CLIP	(×4)
⚠	FR1720	QRZ9017-820	F R	82 Ω 1/4W J
	J1003	QNN0182-001	PIN JACK	
	K1701	QQR0582-001Z	BEADS CORE	
⚠	LF1901	QQR0864-002	LINE FILTER	
⚠	RY1901	QSK0083-001	RELAY	
	S1751	QSW0619-003Z	PUSH SWITCH	MENU
	S1752	QSW0619-003Z	PUSH SWITCH	CH-
	S1753	QSW0619-003Z	PUSH SWITCH	CH+
	S1754	QSW0619-003Z	PUSH SWITCH	VOL-
	S1755	QSW0619-003Z	PUSH SWITCH	VOL+
⚠	S1756	QSW0619-003Z	PUSH SWITCH	POWER
	SF1101	CE42589-201	SAW FILTER	
⚠	SK1371	CE42535-001J1	C.R.T.SOCKET	
⚠	TH1901	CEKP007-002	P.THERMISTOR	
⚠	TU1001	QAU0069-001	TUNER	
⚠	VA1901	ERZV10V361CS	VARISTOR	
	W1019	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1053-54	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1061-64	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1066-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1071-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1082-83	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1109	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1117	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1121	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1182	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1184	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1245-47	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1304-12	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1323-24	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	X1301	QAX0310-001Z	CRYSTAL	
	Y1170-71	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	Y1271-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	Y1541	NRSA02J-0R0X	MG R	0.0Ω 1/10W J

AV-27115(A US&A CA)

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SFV-1034A-M2)

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1001	QRE121J-5R6Y	C R	5.6Ω 1/2W J
	R1003-04	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1005	QRG01GJ-121	OM R	120Ω 1W J
	R1101	NRSA02J-820X	MG R	82Ω 1/10W J
	R1102	NRSA02J-562X	MG R	5.6kΩ 1/10W J
	R1103	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1104	QRE121J-101Y	C R	100Ω 1/2W J
	R1105	NRSA02J-180X	MG R	18Ω 1/10W J
	R1106	NRSA02J-270X	MG R	27Ω 1/10W J
	R1131	NRSA02J-271X	MG R	270Ω 1/10W J
	R1133	NRSA02J-101X	MG R	100Ω 1/10W J
	R1134	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1135	NRSA02J-561X	MG R	560Ω 1/10W J
	R1136	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1137	NRSA02J-272X	MG R	2.7kΩ 1/10W J
	R1138	NRSA02J-821X	MG R	820Ω 1/10W J
	R1139	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1142	NRSA02J-101X	MG R	100Ω 1/10W J
	R1145	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1146	NRSA02J-273X	MG R	27kΩ 1/10W J
	R1161-62	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1163	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1164	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1165	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1201	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1203	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1204	NRSA02J-681X	MG R	680Ω 1/10W J
	R1205	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1207	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1208	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1209	NRSA02J-471X	MG R	470Ω 1/10W J
	R1210	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1211	NRSA02J-471X	MG R	470Ω 1/10W J
	R1212	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1213	NRSA02J-391X	MG R	390Ω 1/10W J
	R1215	NRSA02J-334X	MG R	330kΩ 1/10W J
	R1216	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1218	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1219	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1220	NRSA02J-561X	MG R	560Ω 1/10W J
	R1222	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1251	NRSA02J-750X	MG R	75Ω 1/10W J
	R1264	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1265	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1266	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1267	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1271-72	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1278	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1290	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1291	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1298-99	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1305	NRSA02J-393X	MG R	39kΩ 1/10W J
	R1306	NRSA02J-183X	MG R	18kΩ 1/10W J
	R1351	NRSA02J-331X	MG R	330Ω 1/10W J
	R1352	NRSA02J-151X	MG R	150Ω 1/10W J
	R1365	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1366	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1367	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1371-73	NRSA02J-151X	MG R	150Ω 1/10W J
	R1374-76	NRSA02J-331X	MG R	330Ω 1/10W J
	R1377-79	NRSA02J-101X	MG R	100Ω 1/10W J
	R1380-82	QRZ0111-152	C R	1.5kΩ 1/2W K
	R1383-85	QRL029J-153	OM R	15kΩ 2W J
	R1386-88	NRSA02J-272X	MG R	2.7kΩ 1/10W J
	R1421	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1422	QRE121J-561Y	C R	560Ω 1/2W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1423	QRX01GJ-1R0	MF R	1.0Ω 1W J
	R1424	QRE121J-102Y	C R	1kΩ 1/2W J
	R1425	NRSA02J-683X	MG R	68kΩ 1/10W J
	R1427	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1428	NRSA02J-393X	MG R	39kΩ 1/10W J
	R1429	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1430-31	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1433	QRE121J-100Y	C R	10Ω 1/2W J
	R1441	QRE121J-102Y	C R	1kΩ 1/2W J
	R1501	NRSA02J-361X	MG R	360Ω 1/10W J
	R1502	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1504	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1505	NRSA02J-822X	MG R	8.2kΩ 1/10W J
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1507	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1511	QRE121J-391Y	C R	390Ω 1/2W J
	R1522	NRSA02J-391X	MG R	390Ω 1/10W J
	R1523	NRSA02J-471X	MG R	470Ω 1/10W J
	R1524	QRE121J-271Y	C R	270Ω 1/2W J
	R1525	QRG01GJ-220	OM R	22Ω 1W J
	R1526	QRL039J-152	OM R	1.5kΩ 3W J
	R1541	QRT029J-1R8	MF R	1.8Ω 2W J
	R1542	QRL029J-101	OM R	100Ω 2W J
	R1543	QRT039J-1R0	MF R	1.0Ω 3W J
	R1544	QRT039J-1R0	MF R	1.0Ω 3W J
	R1546	QRL029J-220	OM R	22Ω 2W J
	R1561	QRK126J-4R7X	C R	4.7Ω 1/2W J
⚠	R1562	NRZ0032-7151X	MF R	7.15kΩ 1/10W J
⚠	R1563	NRZ0032-2941X	MF R	2.94kΩ 1/10W J
	R1564	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1565	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1566	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1567	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1568	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1571	QRX01GJ-3R3	MF R	3.3Ω 1W J
	R1581	QRJ146J-2R2X	C R	2.2Ω 1/4W J
	R1582	QRL029J-223	OM R	22kΩ 2W J
	R1583	QRE121J-333Y	C R	33kΩ 1/2W J
	R1584	QRE121J-393Y	C R	39kΩ 1/2W J
	R1585	QRE121J-103Y	C R	10kΩ 1/2W J
	R1586	QRE121J-472Y	C R	4.7kΩ 1/2W J
	R1615-16	NRSA02J-123X	MG R	12kΩ 1/10W J
	R1617-18	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1619-20	NRSA02J-391X	MG R	390Ω 1/10W J
	R1621-22	QRE121J-4R7Y	C R	4.7Ω 1/2W J
	R1623	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1625	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1627	NRSA02J-101X	MG R	100Ω 1/10W J
	R1651	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1652-53	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1654	NRSA02J-333X	MG R	33kΩ 1/10W J
	R1655	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1656	NRVA02D-152X	MF R	1.5kΩ 1/10W D
	R1658	NRVA02D-153X	MF R	15kΩ 1/10W D
	R1660	NRSA02J-512X	MG R	5.1kΩ 1/10W J
	R1671-72	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1677	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1682	NRSA02J-683X	MG R	68kΩ 1/10W J
	R1683-84	NRSA02J-561X	MG R	560Ω 1/10W J
	R1701	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1702-04	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1705	NRSA02J-823X	MG R	82kΩ 1/10W J
	R1706	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1707	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1708-09	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1710	NRSA02J-102X	MG R	1kΩ 1/10W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R1712	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1713	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1714	NRSA02J-471X	MG R	470Ω 1/10W J
	R1715	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1716	NRSA02J-154X	MG R	150kΩ 1/10W J
	R1717	NRSA02J-563X	MG R	56kΩ 1/10W J
	R1719	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1721-22	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1723	NRSA02J-105X	MG R	1MΩ 1/10W J
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1725	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1726	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1727	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1728	NRSA02J-392X	MG R	3.9kΩ 1/10W J
	R1729	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1730	NRSA02J-682X	MG R	6.8kΩ 1/10W J
	R1732	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1733	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1734	NRSA02J-182X	MG R	1.8kΩ 1/10W J
	R1735	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1736	NRSA02J-332X	MG R	3.3kΩ 1/10W J
	R1737	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1738	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1739	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1740	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1741	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1742	NRSA02J-152X	MG R	1.5kΩ 1/10W J
	R1743-44	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1745-46	NRSA02J-561X	MG R	560Ω 1/10W J
	R1747	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1751	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1752	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1753	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1754	NRSA02J-103X	MG R	10kΩ 1/10W J
	R1755	NRSA02J-472X	MG R	4.7kΩ 1/10W J
	R1756	NRSA02J-153X	MG R	15kΩ 1/10W J
	R1757-58	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1759	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1765-66	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1767	NRSA02J-474X	MG R	470kΩ 1/10W J
	R1768	NRSA02J-473X	MG R	47kΩ 1/10W J
	R1769	NRSA02J-102X	MG R	1kΩ 1/10W J
	R1771	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	R1804-06	NRSA02J-101X	MG R	100Ω 1/10W J
⚠	R1901	QRF074K-1R2	UNF R	1.2 Ω 7W K
⚠	R1921	QRX029J-2R7	MF R	2.7 Ω 2W J
	R1923	QRJ146J-470X	C R	47Ω 1/4W J
	R1924	QRN141J-334Y	C R	330kΩ 1/4W J
	R1925	QRN141J-123Y	C R	12kΩ 1/4W J
⚠	R1926	QRF154J-271	UNF R	270 Ω 15W J
⚠	R1927	QRF154J-271	UNF R	270 Ω 15W J
	R1952	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1953	NRSA02J-122X	MG R	1.2kΩ 1/10W J
	R1954	QRE121J-102Y	C R	1kΩ 1/2W J
	R1955	NRSA02J-223X	MG R	22kΩ 1/10W J
	R1956	QRE121J-101Y	C R	100Ω 1/2W J
	R1957	NRSA02J-222X	MG R	2.2kΩ 1/10W J
	R1958	NRSA02J-103X	MG R	10kΩ 1/10W J
⚠	R1981	QRZ9041-275	C R	2.7MΩ 1/2W K
	CAPACITOR			
	C1001	QETN1HM-106Z	E CAP.	10μF 50V M
	C1003	QETN1AM-477Z	E CAP.	470μF 10V M
	C1004	QETN1HM-106Z	E CAP.	10μF 50V M
	C1005	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1006	QETN1EM-476Z	E CAP.	47μF 25V M
	C1011-12	NCB21HK-102X	C CAP.	1000pF 50V K
	C1101-04	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1105	QETN1CM-107Z	E CAP.	100μF 16V M
	C1106	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1107	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1108	NDC21HJ-680X	C CAP.	68pF 50V J
	C1131	QFV71HJ-154Z	MF CAP.	0.15μF 50V J
	C1132	NCB21HK-152X	C CAP.	1500pF 50V K

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C1133	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1134	NCB21HK-472X	C CAP.	4700pF 50V K
	C1135	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1138	QETN1EM-476Z	E CAP.	47μF 25V M
	C1161	QETN1CM-107Z	E CAP.	100μF 16V M
	C1162	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1163-64	NDC21HJ-470X	C CAP.	47pF 50V J
	C1166	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1167	NDC21HJ-470X	C CAP.	47pF 50V J
	C1169-70	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1205	NDC21HJ-680X	C CAP.	68pF 50V J
	C1207	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1208	QETN1HM-106Z	E CAP.	10μF 50V M
	C1209-10	QETN1HM-105Z	E CAP.	1μF 50V M
	C1212	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1214	QETN1HM-106Z	E CAP.	10μF 50V M
	C1215	QETN1HM-105Z	E CAP.	1μF 50V M
	C1217	QETN1EM-476Z	E CAP.	47μF 25V M
	C1254-55	QETN1HM-106Z	E CAP.	10μF 50V M
	C1256	QETN1CM-107Z	E CAP.	100μF 16V M
	C1274	QETN1HM-105Z	E CAP.	1μF 50V M
	C1303	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1304	QETN1CM-107Z	E CAP.	100μF 16V M
	C1305	NDC21HJ-100X	C CAP.	10pF 50V J
	C1306	NCB21HK-223X	C CAP.	0.022μF 50V K
	C1307	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C1309	NDC21HJ-2R0X	C CAP.	2.0pF 50V J
	C1355	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1356	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1374-76	NCS21HJ-561X	C CAP.	560pF 50V J
	C1377	QETN1CM-107Z	E CAP.	100μF 16V M
	C1391	QETM2EM-226	E CAP.	22μF 250V M
⚠	C1392	QCZ0121-102	C CAP.	1000pF 3kV Z
	C1401	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C1402	QBHC1CK-225Z	TAN.CAP.	2.2μF 16V K
	C1403	NCB21HK-102X	C CAP.	1000pF 50V K
	C1421	NCB21HK-472X	C CAP.	4700pF 50V K
	C1424	QEHR1HM-107Z	E CAP.	100μF 50V M
	C1425	QEHR1VM-477Z	E CAP.	470μF 35V M
	C1426	QFLC2AK-473Z	M CAP.	0.047μF 100V K
	C1427	QEHQ1EM-228	E CAP.	2200μF 25V M
	C1428	QFV21HJ-474Z	MF CAP.	0.47μF 50V J
	C1429	QFV21HJ-224Z	MF CAP.	0.22μF 50V J
	C1501	QETN1CM-107Z	E CAP.	100μF 16V M
	C1502	QETN1HM-106Z	E CAP.	10μF 50V M
	C1503	NCB21HK-103X	C CAP.	0.01μF 50V K
	C1505	QETN1HM-106Z	E CAP.	10μF 50V M
	C1511	QETN1EM-476Z	E CAP.	47μF 25V M
	C1521	NCB21HK-332X	C CAP.	3300pF 50V K
	C1522	NCB21HK-822X	C CAP.	8200pF 50V K
	C1523	QEM61HK-105Z	E CAP.	1μF 50V K
⚠	C1524	QFZ0198-133	MPP CAP.	0.013μF1.5kVH ±3%
⚠	C1525	QEZ0203-107	E CAP.	100μF 160V M
⚠	C1526	QFZ0119-434	MPP CAP.	0.43μF 200V ±3%
	C1527	QCB32HK-561Z	C CAP.	560pF 500V K
	C1543	QETN1VM-477Z	E CAP.	470μF 35V M
	C1545	QETN1CM-227Z	E CAP.	220μF 16V M
	C1546	QETN1CM-477Z	E CAP.	470μF 16V M
	C1548	QETN1CM-227Z	E CAP.	220μF 16V M
⚠	C1561	QETN1HM-106Z	E CAP.	10μF 50V M
	C1562	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C1563	NCB21HK-103X	C CAP.	0.01μF 50V K
⚠	C1581	QETN2EM-106Z	E CAP.	10μF 250V M
	C1582	NCB21HK-473X	C CAP.	0.047μF 50V K
	C1583	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C1584	QFLC2AJ-104Z	M CAP.	0.1μF 100V J
	C1615	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1616	QENC1HM-474Z	BP E CAP.	0.47μF 50V M
	C1617	QETN1EM-476Z	E CAP.	47μF 25V M
	C1618	QETN1CM-107Z	E CAP.	100μF 16V M
	C1619	QETN1CM-477Z	E CAP.	470μF 16V M
	C1620	NCB21HK-104X	CHIP CAP.	0.1μF 50V K
	C1621	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	C1622	QENC1HM-474Z	BP E CAP.	0.47μF 50V M

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⚠	Symbol No.	Part No.	Part Name	Description
CAPACITOR				
	C1623	QETN1EM-476Z	E CAP.	47µF 25V M
	C1624	QETN1CM-107Z	E CAP.	100µF 16V M
	C1625	QETN1CM-477Z	E CAP.	470µF 16V M
	C1626	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1627	QETN1CM-477Z	E CAP.	470µF 16V M
	C1651	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1652	QETN1CM-107Z	E CAP.	100µF 16V M
	C1653	QETN1EM-476Z	E CAP.	47µF 25V M
	C1654	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1655	QENC1HM-475Z	BP E CAP.	4.7µF 50V M
	C1656	QENC1HM-105Z	BP E CAP.	1µF 50V M
	C1657	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1658	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1659	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1660-61	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1662	QBTC1CK-335Z	TAN.CAP.	3.3µF 16V K
	C1663	QETN1HM-105Z	E CAP.	1µF 50V M
	C1664	QBTC1CK-106Z	TAN.CAP.	10µF 16V K
	C1665-66	QETN1HM-105Z	E CAP.	1µF 50V M
	C1667	QETN1HM-336Z	E CAP.	33µF 50V M
	C1668	QETN1HM-105Z	E CAP.	1µF 50V M
	C1671	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1672	NCB21HK-222X	C CAP.	2200pF 50V K
	C1673	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1674	QETN1HM-225Z	E CAP.	2.2µF 50V M
	C1675	NCB21HK-222X	C CAP.	2200pF 50V K
	C1676	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1679	QETN1HM-105Z	E CAP.	1µF 50V M
	C1685-86	QETN1HM-106Z	E CAP.	10µF 50V M
	C1687-88	NCB21HK-472X	C CAP.	4700pF 50V K
	C1701	NDC21HJ-560X	C CAP.	56pF 50V J
	C1703	NCB21HK-102X	C CAP.	1000pF 50V K
	C1704	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1705	NDC21HJ-151X	C CAP.	150pF 50V J
	C1706	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1707	QETN1HM-105Z	E CAP.	1µF 50V M
	C1708	NCS21HJ-221X	C CAP.	220pF 50V J
	C1709	NCS21HJ-102X	C CAP.	1000pF 50V J
	C1710	NDC21HJ-681X	C CAP.	680pF 50V J
	C1711	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C1712	NCB21HK-102X	C CAP.	1000pF 50V K
	C1714	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1716	QETN1EM-476Z	E CAP.	47µF 25V M
	C1717	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1718	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1719-20	QETN1CM-107Z	E CAP.	100µF 16V M
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF 50V K
	C1722-23	NDC21HJ-5R0X	C CAP.	5.0pF 50V J
	C1724	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1725	QETN1AM-227Z	E CAP.	220µF 10V M
	C1726	NDC21HJ-470X	C CAP.	47pF 50V J
	C1735	NCB21HK-103X	C CAP.	0.01µF 50V K
	C1751	QETN1EM-476Z	E CAP.	47µF 25V M
	C1801-03	QENC1HM-474Z	BP E CAP.	0.47µF 50V M
⚠	C1901	QFZ9040-104	MF CAP.	0.1µFAC275V M
⚠	C1902	QFZ9040-473	MF CAP.	0.47µFAC275V M
⚠	C1911	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1912	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1913	QCZ9074-472	C CAP.	4700pFAC125V M
⚠	C1914	QEZ0429-477	E CAP.	470µF 200V M
	C1921	QEHR2CM-335Z	E CAP.	3.3µF 160V M
	C1951	QETN1EM-227Z	E CAP.	220µF 25V M
	C1953	QETN1EM-107Z	E CAP.	100µF 25V M
	C1954	NCB21HK-473X	C CAP.	0.047µF 50V K
	C1956	QETN1HM-106Z	E CAP.	10µF 50V M
	C1958	QETN1EM-107Z	E CAP.	100µF 25V M
	C1959	QETN1HM-226Z	E CAP.	22µF 50V M
⚠	C1981	QCZ9074-103	C CAP.	0.01µFAC125V M
⚠	C1982	QCZ9074-103	C CAP.	0.01µFAC125V M
TRANSFORMER				
	T1131	QQR0907-001	I.F.TRANSFOMER	
	T1161	CELT003-109J3	S.I.F.TRANSF.	
⚠	T1521	CE41106-00CJ1	DRIVE TRANSF.	

⚠	Symbol No.	Part No.	Part Name	Description
TRANSFORMER				
⚠	T1522	QQH0028-001	H.V.TRANSF.	
⚠	T1901	QQT0198-001	POWER TRANSF.	
COIL				
	L1001	QQL03BJ-150Z	COIL	15µH
	L1003	QQL03BJ-5R6Z	COIL	5.6µH
	L1102	QQLZ014-R22	PEAKING COIL	
	L1104	QQL03BJ-680Z	COIL	68µH
	L1131	QQL03BJ-220Z	COIL	22µH
	L1161	QQL03BJ-680Z	COIL	68µH
	L1162	QQL03BJ-390Z	COIL	39µH
	L1201	QQL03BJ-330Z	COIL	33µH
	L1391	QQL03BJ-390Z	COIL	39µH
	L1521	CELL004-001	LINEARITY COIL	
	L1701	QQL03BJ-4R7Z	COIL	4.7µH
	L1709	QQL03BJ-100Z	COIL	10µH
DIODE				
	D1001	MTZJ33B-T2	ZENER DIODE	
	D1002	MTZJ5.1B-T2	ZENER DIODE	
	D1003-04	MTZJ9.1C-T2	ZENER DIODE	
	D1201-03	1SS133-T2	SI.DIODE	
	D1254	MTZJ9.1C-T2	ZENER DIODE	
	D1421	1N4003-T2	SI.DIODE	
	D1422	MTZJ75-T2	ZENER DIODE	
	D1423	1SS133-T2	SI.DIODE	
	D1501	MTZJ9.1C-T2	ZENER DIODE	
	D1511	MTZJ3.3A-T2	ZENER DIODE	
	D1541	RGP10J-5025-T3	SI.DIODE	
	D1542	1SR35-400A-T2	SI.DIODE	
	D1543-44	RGP10J-5025-T3	SI.DIODE	
	D1561	1SS81-T2	SI.DIODE	
⚠	D1562	MA4068N/Z1/-T2	ZENER DIODE	
	D1563	1SS133-T2	SI.DIODE	
⚠	D1581	RH1S-T3	SI.DIODE	
	D1582	RGP10J-5025-T3	SI.DIODE	
	D1583	MTZJ9.1C-T2	ZENER DIODE	
	D1601-02	1SS133-T2	SI.DIODE	
	D1651-52	MTZJ9.1C-T2	ZENER DIODE	
	D1659-60	MTZJ9.1C-T2	ZENER DIODE	
	D1704-07	1SS133-T2	SI.DIODE	
	D1711	1SS133-T2	SI.DIODE	
	D1717-18	MTZJ9.1C-T2	ZENER DIODE	
	D1751	SLR-342VR3F	L.E.D.	
	D1804	MTZJ5.1B-T2	ZENER DIODE	
	D1805	1SS133-T2	SI.DIODE	
⚠	D1911	D3SB60	BRIDGE DIODE	
	D1941-44	1SR35-400A-T2	SI.DIODE	
	D1951	MTZJ12C-T2	ZENER DIODE	
	D1953	1SR35-400A-T2	SI.DIODE	
	D1957-58	1SS133-T2	SI.DIODE	
TRANSISTOR				
	Q1101	2SC5083/L-P/-T	SI.TRANSISTOR	
	Q1131-32	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1161	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1201-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1261	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1271	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1361	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1371-73	2SC4544-LB	SI.TRANSISTOR	
	Q1521	2SC2655/Y/-T	SI.TRANSISTOR	
⚠	Q1522	2SD2499-LB	SI.TRANSISTOR	H.OUT
	Q1561	2SC2785/JH/-T	SI.TRANSISTOR	
	Q1562	2SA933AS/QR/-T	SI.TRANSISTOR	
	Q1602	DTC323TK-X	DIGI.TRANSISTOR	
	Q1701-03	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1704	DTC323TK-X	DIGI.TRANSISTOR	
	Q1951	2SC2412K/QR/-X	SI.TRANSISTOR	
	Q1952	2SA966/OY/-T	SI.TRANSISTOR	
	Q1953	2SC2412K/QR/-X	SI.TRANSISTOR	

⚠	Symbol No.	Part No.	Part Name	Description
	IC			
	IC1201	TA1242N	I.C.(MONO-ANA)	
	IC1251	BA7612N	I.C.(MONO-ANA)	
⚠	IC1421	LA7832	I.C.(MONO-ANA)	
	IC1541	AN7809F	I.C.(MONO-ANA)	
⚠	IC1602	LA4446	I.C.(MONO-ANA)	
	IC1651	UPC1851BCU	I.C.(MONO-ANA)	
	IC1701	M37272MA-050SP	IC	
	IC1702	AT24C02-C20110	I.C.	(SERVICE)
	IC1703	L78LR05E-MA	I.C.(MONO-ANA)	
	IC1751	GP1U281Q	IFR DETECT UNIT	
⚠	IC1921	STR30134	I.C.(H)	
	IC1951	TA78L009AP-T	I.C.(MONO-ANA)	
	OTHERS			
		LC30190-001B-A	LED HOLDER	
	CF1001	QAX0349-001	CERAMIC FILTER	
	CF1131	CE41505-001	CERAMIC FILTER	
	CF1161	SFSH4.5MCB	CERAMIC FILTER	
	CF1501	CSB503F30-T2	CER.RESONATOR	
	CF1701	CST8.00MTW	CER.RESONATOR	
	CF1702	QAX0428-001	CER.RESONATOR	
	CL1001	QZW0028-002	WIRE CLAMP	
	CL1002-03	QZW0028-001	WIRE CLAMP	
⚠	CN10PW	QMPD200-200-JC	POWER CORD	(Charcoal type)
⚠	F1901	QMF0007-6R3J1	FUSE	6.3A
⚠	F1902	QMF0007-1R25J1	FUSE	1.25A
	FC1901	CEMG002-001Z	FUSE CLIP	(×2)
	FC1902	CEMG002-001Z	FUSE CLIP	(×4)
⚠	FR1720	QRZ9017-820	F R	82 Ω 1/4W J
	J1003	QNN0182-001	PIN JACK	
	K1701	QQR0582-001Z	BEADS CORE	
⚠	LF1901	QQR0864-002	LINE FILTER	
⚠	RY1901	QSK0083-001	RELAY	
	S1751	QSW0619-003Z	PUSH SWITCH	MENU
	S1752	QSW0619-003Z	PUSH SWITCH	CH-
	S1753	QSW0619-003Z	PUSH SWITCH	CH+
	S1754	QSW0619-003Z	PUSH SWITCH	VOL-
	S1755	QSW0619-003Z	PUSH SWITCH	VOL+
⚠	S1756	QSW0619-003Z	PUSH SWITCH	POWER
	SF1101	CE42589-201	SAW FILTER	
	SK1371	CE42535-001J1	C.R.T.SOCKET	
⚠	TH1901	CEKP007-002	P.THERMISTOR	
⚠	TU1001	QAU0069-001	TUNER	
⚠	VA1901	ERZV10V361CS	VARISTOR	
	W1019	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1053-54	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1061-64	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1066-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1071-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1082-83	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1109	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1117	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1121	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1182	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1184	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1245-47	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1304-12	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	W1323-24	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	X1301	QAX0310-001Z	CRYSTAL	
	Y1170-71	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	Y1271-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J
	Y1541	NRSA02J-0R0X	MG R	0.0Ω 1/10W J

PACKING PARTS LIST

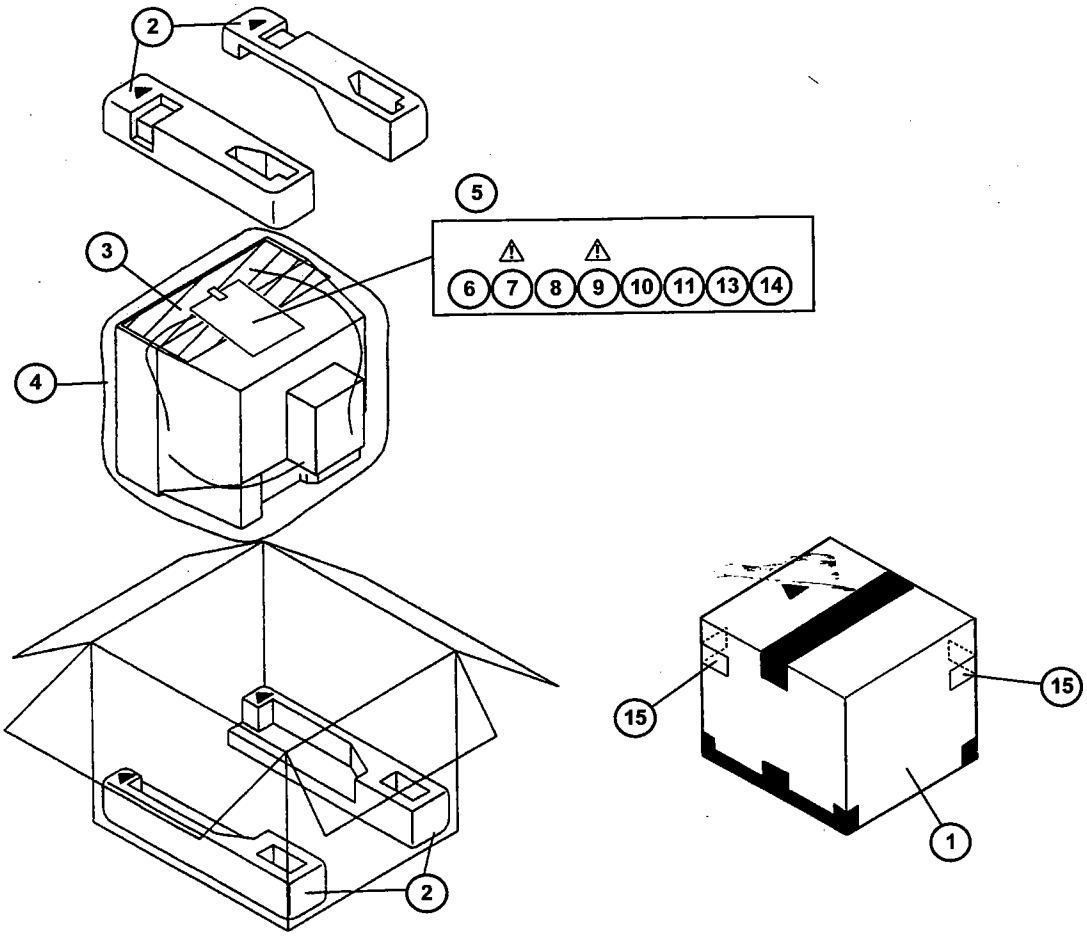
[AV-27115(US&CA)]

⚠	Ref.No.	Part No.	Part Name	Description
[America model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C205-1C	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
	8	BT-51006-1Q	REGI.CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	15	CM36616-001-A	CORNER LABEL	2pcs in 1set
[Canada model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C205-1C	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
⚠	9	LCT0606-001A-A	INST.BOOK	[FRENCH]
	10	BT-20071B-Q	SVC CENTER LIST	
	11	BT-52004-1Q	WARRANTY CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	14	LCT0607-001A-A	SET-UP GUIDE	[FRENCH]
	15	CM36616-A02-A	CORNER LABEL	2pcs in 1set

[AV-27115(A US&A CA)]

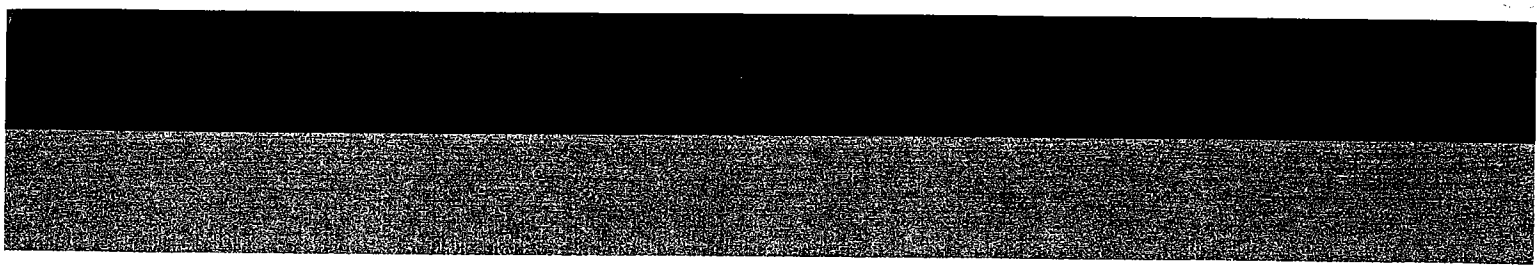
⚠	Ref.No.	Part No.	Part Name	Description
[America model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C205-1C	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
	8	BT-51006-1Q	REGI.CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	15	CM36616-001-A	CORNER LABEL	2pcs in 1set
[Canada model]				
	1	CP11499-B15-A	PACKING CASE	
	2	LC10083-002A-A	CUSHION ASSY	4pcs in 1set
	3	CP30055-001-A	TOP COVER	
	4	CP30056-008-A	POLY BAG	
	5	QPA02503505	POLY BAG	
	6	RM-C205-1C	REMOCON UNIT	
⚠	7	LCT0604-001A-A	INST.BOOK	[ENGLISH]
⚠	9	LCT0606-001A-A	INST.BOOK	[FRENCH]
	10	BT-20071B-Q	SVC CENTER LIST	
	11	BT-52004-1Q	WARRANTY CARD	
	13	LCT0605-001A-A	SET-UP GUIDE	[ENGLISH]
	14	LCT0607-001A-A	SET-UP GUIDE	[FRENCH]
	15	CM36616-A02-A	CORNER LABEL	2pcs in 1set

PACKING



REMOTE CONTROL UNIT PARTS LIST (RM-C205-1C)

⚠ Ref.No.	Part No.	Part Name	Description
[AV-27115(US&CA) / AV-27115(A US&A CA)]			
	511A24001	BATTERY COVER	(RM-C205-1C)



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AV27120(CAM) #3 AV27120A-CAM #999 AV27115(CAM) #999 AV27115A-CAM #999

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